



UNITED STATES DEPARTMENT OF AGRICULTURE

FEDERAL HORTICULTURAL BOARD.

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Pests Collected From Imported Plants and Plant Products from January 1, 1922, to December 31, 1922, Inclusive.

NOTES ON ENTOMOLOGICAL INTERCEPTIONS.

The long list of insects which follows forcibly emphasizes the danger which attends the introduction of plants and plant products and the importance of protecting American horticultural interests from these pests, many of which at the present time are not known to occur in the United States. No less than 123 recognized species of scale insects, not including many which could only be placed generically, were intercepted on incoming plants and fruits. Thirty known species of ants were taken either on shipments of plants or plant products, or on ships arriving at various ports of entry. As in the case of scale insects, there were a number which could not be identified beyond the genus. The same condition applies to other important groups of insects.

MISCELLANEOUS INSECTS.

Nests of the sorrel cutworm, *Acronycta rumicis*, were intercepted on five shipments of fruit and rose stocks from France, and 156 nests of the white tree pierid, *Aporia crataegi*, were taken on shipments of fruit and rose stocks from the same country. Neither of these insects is known to be established in the United States. European literature reports the former to be an omnivorous feeder, attacking the foliage of strawberries, hops, and various shrubs and trees. The latter is also credited to be a general feeder, attacking the foliage of fruit trees, wild rosaceous plants, and deciduous shade trees. The brown-tail moth, *Euproctis chrysorrhoea*, arrived with two shipments of fruit stocks from France, and *Emphytus cinctus* was taken on shipments of manetti stocks from England, France, Holland, and Ireland. Pear trees from Japan were infested with the oriental fruit moth, *Laspeyresia molesta*, and apple trees from New Zealand exhibited larvæ of *L. pomonella*, both lots intercepted with passengers' baggage. Egg masses of the European lackey moth, *Malacosoma neustria*, accompanied plants from France. The larvæ of this insect are reported to strip infested trees of foliage and attack fruit and ornamental trees.

Commercial shipments of Hungarian broom corn arrived in New York infested with larvæ of the European corn borer, *Pyrausta nubilalis*, and one mail consignment of broom corn samples, posted in France, containing larvæ reached Indiana.

Cottonseed from Brazil in the possession of a passenger arriving at Baltimore was found to be infested with larvæ of the pink bollworm, *Pectinophora gossypiella*. This was a very fortunate interception, since the owner proposed to carry the seed to Mississippi. This insect was also found in New York in cotton and cotton waste used as packing around souvenirs by a passenger from St. Kitts. In addition to the instances referred to, infested seed was received from Egypt, Porto Rico, and the British West Indies, and cotton bolls from Hawaii.

Narcissus bulbs from France and Holland were infested with the narcissus fly, *Merodon equestris*, and larvæ of the lesser bulb fly, *Eumerus strigatus*, were quite abundant in the same type of bulbs from Holland, one bulb revealing 77 maggots. Larvæ of a wireworm, *Corymbites aeneus*, were also taken in Holland-grown narcissus bulbs. As in former years, the bulb mite, *Rhizoglyphus hyacinthi*, was present on a great variety of bulbs from practically all countries exporting to the United States. Iris rhizomes from England, Holland, and France were found to be infested with *Annuraphis tulipæ*, and another aphid, *Micromyzus tulipaella*, was present on iris from England. The European earwig, *Forficula auricularia*, was also present with shipments of iris from France and miscellaneous bulbs from Holland.

The citrus black fly, *Aleurocanthus woglumi*, was intercepted on foliage of plants on 13 occasions, arriving either as ships' stores or passengers' baggage from Cuba, Jamaica, and Nassau, Bahama Islands, and the woolly white fly, *Aleurothrixus howardi*, was taken 5 times on citrus foliage from Cuba, and once on banana from Porto Rico. Cardin's white fly, *Aleurodicus cardini*, arrived on guava leaves from Cuba. *Lithraea caustica* from Chile was infested with *Aleuroparadoxus punctatus*, and citrus foliage from Porto Rico bore pupæ of *Aleurothrixus floccosa*.

The avocado weevil, *Heilipus lauri*, was found in avocado seed in the possession of passengers arriving from the interior of Mexico, as was also the mango weevil, *Sternochetus mangiferæ*, in mango seed from Hawaii. Two injurious white ants or termites not known to occur in this country are listed in this letter, namely, *Reticulitermes speratus* in Paulownia logs from Japan and *Nasutitermes* sp. in fiber plants from Colombia. It appears that the distribution of the former is limited to Japan and Formosa, and the latter represents a genus which includes species known to be destructive wood borers and injurious to plants.

The sweet-potato weevil, *Cylas formicarius*, and the West Indian sweet-potato weevil, *Euscepes batatæ*, were found on several occasions infesting sweet potatoes in ships' stores or in possession of passengers. The former was in tubers from China, Cuba, Nassau, Bahama Islands, and Haiti, and the latter from Brazil, Trinidad, and Barbados. The sweet-potato stem borer, *Omphisa anastomosalis*, which attacks sweet potatoes and other garden crops, arrived in sweet potatoes from China. This insect was introduced into Hawaii about 1900 and has become quite a pest. Irish potatoes used as ships' stores and taken on board in Mexican ports were infested with grubs of *Trypopermnon* sp., presumably *T. latithorax*, which hitherto has been known to occur only in Peru and Bolivia. Infested tubers are riddled by these grubs, rendering them unfit for consumption.

INSECTS IN SOIL.

A number of injurious insects were located in soil surrounding plants, most of which were in the possession of passengers, and were intercepted by inspectors of this Board in cooperation with customs inspectors at various ports of entry. Several species of wireworms accompanied soil around roots of plants, such as *Agriotes lineatus* with spruce, dahlias, and hyacinths from Sweden, Switzerland, and Finland, respectively; an unrecognized species of *Agriotes* around roots of dahlias and dwarf spruce from England and Belgium; *Ludius* sp. about the roots of hemlock and spruce from Nova Scotia; *Limonius* sp. and *Ischnodes* sp. with Scotch heather from England; *Corymbites anenus* from Norway; and *Betarmon bigeminatus* with balsam spruce from British Columbia.

Larvæ of the following Curculionids were also found: *Brachyrhinus sulcatus* with rose from Germany, *Liosoma deflexum* from England, and *Odontomaches* sp. from Java.

Ants, some of which are new to this country, were frequently met with, the more important being *Technomyrmex albipes*, *Tetramorium* sp., and *Prenolepis* sp. from Ceylon, *Tetramorium guineensis* from British Columbia, *Prenolepis* sp. from Argentina, *Myrmica levinodis* from Sweden, *Tetramorium caespitum* from Philippine Islands, *Myrmica ruginodis* from Germany, *Solenopsis geminata* from Java, *Lasius umbratus subumbratus*, and *Leptothorax acervorum canadensis* from Nova Scotia.

Other insects in soil include Lepidopterous larvæ, such as *Epinota meritana* with balsam spruce from British Columbia, and a pyralid from Denmark, as well as the following earwigs: *Gonolabis javana*, and *Labia* sp. from Java, *Labia curvicauda* from Ceylon, *Anisolabis annulipes* from China, and *Chelisoches morio* from Ceylon.

INSECTS IN FRUIT.

Largely as the result of ship and baggage inspection at the principal ports of entry, a number of insects injurious to various kinds of fruits were intercepted. The Mediterranean fruit fly, *Ceratitis capitata*, was found to infest an apple on a vessel arriving from Algeria, and was also taken in mangoes, avocados, and coffee berries from Hawaii. Cucumbers and tomatoes from Hawaii were infested with the maggots of the melon fly, *Bactrocera curcubitæ*, and mangoes from Jamaica were infested with the papaya fruit fly, *Toxotrypana curvicauda*. The Mexican fruit fly, *Anastrepha ludens*, was found to infest limes, oranges, and mangoes from Mexico, and sapodillas from Nicaragua. The West Indian fruit fly, *Anastrepha fraterculus*, was taken in Cuban plums and mangoes from Cuba, and mangoes from Jamaica. Larvæ of *Anastrepha* sp., probably *A. fraterculus*, were also infesting Pejibayes fruit from Costa Rica, and mangoes from Jamaica. An unrecognized species of *Ceratitis* was collected in quince from Argentina.

Larvæ of a sugar-cane borer, *Metamasius sericeus*, were discovered to infest fruit of Pejibayes from Costa Rica. This appears to be the first record of the occurrence of the larvæ of this insect in fruit, although in former years they have been collected in sugar-cane and stems of banana leaves.

NOTES ON PATHOLOGICAL INTERCEPTIONS.

Citrus canker has again been intercepted a number of times on fruit found in passengers' baggage at the Pacific coast ports. These interceptions have included material from Japan, Philippine Islands, and Siam arriving at San Francisco, Seattle, and Honolulu. *Phoma citricarpa*, the black spot disease of citrus, a serious disease of the round orange in China, Japan, and Australia, was found and intercepted on fruit in passengers' baggage at San Francisco.

Sugar-cane cuttings from China growing in quarantine at Washington developed mosaic, adding another locality to the known distribution of the disease. Bamboo plants from the same country also developed symptoms typical of mosaic while growing in quarantine for observation. A leaf rust (*Uredo* sp.) also appeared on the leaves of the same plants.

Commercial plant material entering under special permit for propagation purposes and passing through the Washington, D. C., inspection house has in the main been free of new or dangerous diseases. A *Botrytis* (*B. cinerea* ?) is very common on herbaceous material (*Astilbe*, *Papaver*, *Anchusa*, etc.) and on roses. Development of this widespread fungus largely results from poor packing and heating or other unfavorable conditions during shipment.

Fruit and rose stock continue to be uniformly infected with crown gall, the percentage of diseased plants varying from one-half of 1 per cent to 30 or 40 per cent in one shipment inspected in Illinois.

LIST, BY COUNTRIES, OF PESTS COLLECTED AND REPORTED FROM JANUARY 1, 1922, TO DECEMBER 31, 1922, INCLUSIVE.

[All findings in the District of Columbia and those marked with an asterisk indicate Federal inspection.]

Country of origin and name of pest.	Host.	Collected in—
AFRICA.		
Insects:		
<i>Araecerus fasciculatus</i> (coffee-bean weevil)...	<i>Cocos nucifera</i> (coconut)	Maryland.*
Do	<i>Oncoba echinata</i> (seed)	District of Columbia.
<i>Calendra oryzae</i> (rice weevil).....	<i>Oryza sativa</i> (Temne rice).....	Do.
<i>Carpophilus dimidiatus</i> (corn sap-beetle).....	<i>Cocos nucifera</i> (coconut)	Maryland.*
<i>Carpophilus</i> sp. (Nitidulidae).....	<i>Dioscorea praehehensis</i>	District of Columbia.
<i>Chionaspis citri</i> (orange Chionaspis).....	<i>Citrus sinensis</i> (orange)	Florida.
<i>Lepidosaphes beckii</i> (purple scale).....	<i>Citrus nobilis</i> (tangerine).....	Florida.
Do	<i>Citrus sinensis</i> (orange)	Do.
<i>Monomorium pharaonis</i> (Pharaoh's ant).....	Unknown.....	District of Columbia.
<i>Mylabris obtectus</i> (bean weevil).....	<i>Phaseolus lunatus macrocarpus</i>	Do.
<i>Mylabris</i> sp. (Mylabridae).....	<i>Acacia sperocarpa</i>	Do.
<i>Oecophorid</i>	<i>Bolusanthus speciosus</i> (seed)	Do.
<i>Parlatoria ziziphus</i> (scale insect).....	<i>Citrus nobilis</i> (tangerine).....	Florida.
<i>Pyralid</i>	<i>Oncoba echinata</i> (seed)	District of Columbia.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
AFRICA—continued.		
Insects—Continued.		
Rhizoglyphus hyacinthi (bulb mite).....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Rhizopertha dominica (lesser grain borer)....	Oryza sativa (Temne rice).....	District of Columbia.
Stephanoderes sp. (Scolytidae).....	Coffea sp. (coffee).....	Do.
Tribolium sp. (Tenebrionidae).....	Cocos nucifera (coconut).....	Maryland.*
Diseases:		
Alternaria.....	Cucumis melo.....	New York.*
Fusarium heterosporum.....	Capriola sp.....	District of Columbia.
Fusarium sp.....	Ipomoea batatas (sweet potato).....	Pennsylvania.*
Phomopsis sp.....	Ochna atropurpurea.....	District of Columbia.
Rhizopus nigricans.....	Ipomoea batatas (sweet potato).....	Pennsylvania.*
Tilletia.....	Triticum aestivum (wheat).....	District of Columbia.
Ustilago hordei.....	Hordeum vulgare (barley) (3).....	Do.
ALGERIA.		
Insects:		
Ceratitis capitata (Mediterranean fruit fly)...	Malus sylvestris (apple).....	Massachusetts.*
Parlatoria pergandii (chaff scale).....	Citrus sinensis (orange).....	Pennsylvania.*
ARGENTINA.		
Insects:		
Aphis sp. (aphid).....	Yerba maté.....	District of Columbia.
Aspidiotus perniciosus (San Jose scale).....	Prunus domestica (plum).....	New York.*
Caecilioides acicula (Mollusca).....	In soil.....	Pennsylvania.*
Ceratitis sp. (Trypetidae).....	Cydonia oblonga (quince).....	New York.*
Chrysomelid.....	In soil with ferns.....	Pennsylvania.*
Dermestes sp. (Dermestidae).....	Bone dust.....	Do.
Diaspis boisduvalii (Boisduval's scale).....	Cocos weddelliana.....	Do.
Diarrhea sp. (Pyralidae).....	Panicum miliaceum (broom corn).....	Do.
Diploilus luscus (myriopod).....	In soil with Cocos weddelliana.....	Do.
Histiostoma sp. (mite).....	Solanum tuberosum (Irish potato).....	Do.
Julus sp. (myriopod).....	In soil with Cocos weddelliana.....	Do.
Lamyctinus coeculus (myriopod).....	do.....	Do.
Do.....	In soil with ferns.....	Do.
Lepidosaphes perlonga (scale insect).....	Baccharis cordifolia.....	District of Columbia.
Necrobia rufipes (red-legged ham beetle).....	Bones.....	Pennsylvania.*
Opeas gracile (Mollusca).....	Cocos weddelliana.....	Do.
Do.....	In soil.....	Do.
Orthomorpha sp. (myriopod).....	In soil with Cocos weddelliana.....	Do.
Do.....	In soil with ferns.....	Do.
Prenolepis sp. (ant).....	do.....	Do.
Tortricid.....	Cydonia oblonga (quince).....	New York.*
Diseases:		
Actinomyces scabies.....	Solanum tuberosum (Irish potato).....	Florida.
Do.....	do.....	Massachusetts.*
Fusarium.....	do.....	Florida.
Sphaeropsis malorum.....	Cydonia oblonga (quince).....	New York.*
AUSTRALIA.		
Insects:		
Calendra oryzae (rice weevil).....	Saccaline.....	District of Columbia.
Chionaspis citri (orange Chionaspis).....	Citrus limonia (lemon).....	Hawaii.
Chrysomphalus aurantii (California red scale).....	Cocos nucifera (coconut).....	California.
Crematogaster sp. (ant).....	Auracaria (?) (cones).....	Do.
Hemichionaspis sp. (scale insect).....	Datura leichhardtii.....	District of Columbia.
Laemophloeus ferrugineus (Cucujidae).....	Macadamia ternifolia.....	Do.
Lepidosaphes beckii (purple scale).....	Citrus grandis (pomelo).....	Oregon.*
Oryzaephilus surinamensis (saw-toothed grain beetle).....	Macadamia ternifolia.....	District of Columbia.
Pseudococcus sacchari (sugar-cane mealybug).....	Saccharum officinarum (sugar-cane).....	Do.
Pseudococcus sp. (mealybug).....	Cocos nucifera (coconut) (2).....	California.
Rhizoglyphus hyacinthi (bulb mite).....	Passiflora edulis (passion fruit).....	New York.*
Tetramorium sp. (ant).....	Macadamia ternifolia.....	District of Columbia.
Diseases:		
Melanconium sacchari.....	Saccharum officinarum (sugar-cane).....	California.
Urocystis agropyri.....	Agropyron scabrum.....	District of Columbia.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
AUSTRIA.		
Insects:		
Mylabris pisorum (pea weevil).....	Pisum sativum (peas).....	New York.*
Tenebrio obscurus (dark mealworm).....	Panicum miliaceum (broom corn).....	Do.*
AZORES.		
Insects:		
Anobium sp. (Anobiidae).....	Wood from packing case.....	New York.*
Caulotropis aneopiceus (Cossoriidae).....	do.....	Do.*
Fiorinia floriniae (scale insect).....	Camellia (2).....	Do.*
Lepidosaphes beckii (purple scale).....	Citrus limonia (lemon).....	Do.*
Mylabris pisorum (pea weevil).....	Faba vulgaris (broad bean).....	Do.*
Sitotroga cerealella (Angoumois grain moth).....	Zea mays (corn).....	Do.*
Toxoptera aurantiae (aphid).....	Camellia.....	Do.*
Trypoptys carpini (Anobiidae).....	Wood from packing case.....	Do.*
BAHAMA ISLANDS.		
Insects:		
Aleurocanthus woglumi (citrus black fly).....	Achras sapota (sapodilla).....	Florida.
Do.....	Canipe.....	Do.
Do.....	Spice (2).....	Do.
Aleyrodid.....	Spice.....	Do.
Aphis sp. (aphid).....	Hibiscus sp.....	New York.*
Aspidiotus hederæ (ivy scale).....	Palm.....	Florida.
Aspidiotus lataniae (scale insect).....	Achras sapota (sapodilla).....	Do.
Aspidiotus cocotiphagus (scale insect).....	Cocos nucifera (coconut) (3).....	Do.
Asterolecanium sp. (scale insect).....	Air plant.....	Do.
Calendra oryzae (rice weevil).....	Cajanus indicus (pigeon pea).....	Do.
Chloridea obsoleta (corn earworm).....	Zea mays (corn) (2).....	Do.
Chloridea sp. (Noctuidae).....	Zea mays (corn).....	Do.
Chrysomphalus aonidum (Florida red scale).....	Citrus sp.....	Do.
Do.....	Rosa sp. (rose).....	Do.
Chrysomphalus dictyospermi (scale insect).....	Spice.....	Do.
Chrysomphalus personatus (masked scale).....	do.....	Do.
Chrysomphalus sp. (scale insect).....	Twigs.....	Do.
Coccus acuminatus (scale insect).....	Spice.....	Do.
Coccus hesperidum (soft brown scale).....	Achras sapota (sapodilla).....	Do.
Coccus viridis (coffee scale).....	do.....	New York.*
Coccus sp. (scale insect).....	do.....	Do.*
Cylas formicarius (sweet-potato weevil).....	Ipomoea batatas (sweet potato) (4).....	Florida.
Diaspis boisduvalii (Boisduval's scale).....	Cocos nucifera (coconut).....	Do.
Do.....	Washington palm.....	New York.*
Eucalymnatus tessellatus (tesselated scale).....	Chrysophyllum cainito (star apple).....	Florida.
Heliothrips rubrocinctus (red-banded thrips).....	Spice.....	Do.
Hemichionaspis minor (scale insect).....	Achras sapota (sapodilla).....	Do.
Do.....	Hibiscus sp.....	New York.*
Do.....	Palm.....	Florida.
Howardia biclavus (mining scale).....	Achras sapota (sapodilla) (2).....	Do.
Do.....	Tamarindus sp. (tamarind).....	Do.
Lepidosaphes beckii (purple scale).....	Citrus aurantifolia (lime).....	Do.
Do.....	Citrus sp.....	Do.
Do.....	Croton sp.....	Do.
Lepidosaphes sp. (scale insect).....	Poinciana.....	Do.
Macrosiphum rosae (large rose aphid).....	Rosa sp. (rose).....	Do.
Pseudonidia articulatus (rufous scale).....	Achras sapota (sapodilla).....	New York.*
Do.....	Canipe (2).....	Florida.
Do.....	Citrus sp.....	Do.
Do.....	Rosa sp. (rose).....	Do.
Do.....	Spice (4).....	Do.
Do.....	Tamarindus sp. (3).....	Do.
Do.....	Unknown (2).....	Do.
Pseudococcus adonidum (long-tailed mealybug).....	Croton sp.....	Do.
Do.....	Spice.....	Do.
Pseudococcus sp. (mealybug).....	Asparagus plumosus.....	Do.
Saissetia hemisphaerica (hemispherical scale).....	Palm.....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
BAHAMA ISLANDS—continued.		
Insects—Continued.		
Saissetia oleae (black scale).....	Achras sapota (sapodilla).....	Florida.
Do.....	Canipe.....	Do.
Do.....	Gossypium sp. (cotton seed).....	Do.
Targionia sacchari (scale insect).....	Saccharum officinarum (sugar-cane) (2)...	Do.
Vinsonia stellifera (star scale).....	Achras sapota (sapodilla).....	New York.*
Do.....	Spice.....	Florida.
BARBADOS.		
Insects:		
Aspidiotus destructor (scale insect).....	Ficus (?).....	New York.*
Coccus viridis (coffee scale).....	Citrus aurantifolia (lime).....	Florida.
Euscepes batatae (West Indian sweet-potato weevil).....	Ipomoea batatas (sweet potato) (2).....	New York.*
Lepidosaphes beckii (purple scale).....	Citrus aurantifolia (lime).....	Florida.
Necrobia rufipes (red-legged ham beetle).....	Ipomoea batatas (sweet potato).....	Pennsylvania.*
Parlatoria sp. (scale insect).....	Citrus aurantifolia (lime).....	Florida.
Pinnaspis buxi (scale insect).....	Dracaena sp.....	New York.*
Prolabia arachidis (earwig).....	Ipomoea batatas (sweet potato).....	Pennsylvania.*
Pseudonidia articulatus (rufous scale).....	Citrus aurantifolia (lime).....	Florida.
Pseudonidia trilobitiformis (scale insect).....	do.....	Do.
Targionia hartii (scale insect).....	Dioscorea sp. (yam).....	Do.
Do.....	do.....	District of Columbia.
BELGIUM.		
Insects:		
Agriotes sp. (Elateridae).....	In soil with dwarf spruce.....	Pennsylvania.*
Macrosiphum sp. (aphid).....	Rosa sp. (rose).....	District of Columbia.
Ortheziola vejovskyi (scale insect).....	do.....	Do.
BERMUDA.		
Insects:		
Aspidiotus cyanophylli (scale insect).....	Coccolobis uvifera (sea grape).....	New York.*
Aspidiotus lataniae (scale insect).....	do.....	Do.*
Do.....	Yucca sp. (?).....	Do.*
Asterolecanium miliaris (scale insect).....	Bambusa sp. (bamboo).....	Do.*
Aulacaspis pentagona (West Indian peach scale).....	Geranium sp. (2).....	Do.*
Do.....	Nerium oleander (oleander) (2).....	Do.*
Do.....	Sedum (4).....	Do.*
Aulacaspis sp. (scale insect).....	Nerium oleander (oleander).....	Do.*
Carpophilus sp. (Nitidulidae).....	Sago palm (offshoots).....	Do.*
Ceroplastes sp. (scale insect).....	Clerodendron balfouri.....	Do.*
Chrysomphalus dictyospermi (scale insect)....	Pandanus sp. (screw-pine).....	Do.*
Coccus elongatus (long soft scale).....	Croton sp. (2).....	Do.*
Hemichionaspis aspidistrae (aspidistra scale).....	Aspidistra.....	Do.*
Lepidosaphes beckii (purple scale).....	Citrus sinensis (orange).....	Do.*
Do.....	Citrus sp. (twigs).....	Do.*
Do.....	Yucca sp. (?).....	Do.*
Monomorium pharaonis (Pharaoh's ant).....	Bambusa sp. (bamboo).....	Do.*
Morganella longispina (scale insect).....	Nerium oleander (oleander) (2).....	Do.*
Morganella maskelli (scale insect).....	do.....	Do.*
Nitidulid.....	Sago palm (offshoots).....	Do.*
Orthotylus sp. (Miridae).....	Acalypha.....	Do.*
Pheidole sp. (ant).....	Hibiscus sp.....	Do.*
Protopulvinaria pyriformis (pyriform scale)...	Ivy (2).....	Do.*
Pseudococcus bromeliae (pineapple mealybug)...	Saccharum officinarum (sugar cane).....	Do.*
Pseudococcus citri (citrus mealybug).....	Croton sp.....	Do.*
Pseudoparlatoria parlatorioides (scale insect)...	Acalypha sp. (?).....	Do.*
Pyralid.....	Nerium oleander (oleander).....	Do.*
Saissetia hemisphaerica (hemispherical scale)...	Croton sp.....	Do.*
Saissetia nigra (scale insect).....	Hibiscus sp. (3).....	Do.*
Do.....	Sedum.....	Do.*
Saissetia oleae (black scale).....	Nerium oleander (oleander).....	Do.*

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
BORNEO.		
Insects:		
Prenolepis longicornis (crazy ant).....	Ananas sativus (pineapple).....	Hawaii.
Prenolepis sp. (ant).....	do.....	Do.
Pseudococcus sp. (mealybug).....	do.....	Do.
Tenebrioides mauritanica (cadelle).....	Castanea argentea.....	District of Columbia.
BRAZIL.		
Insects:		
Chrysomphalus aonidum (Florida red scale).....	Hibiscus sp.....	New York.*
Do.....	Palm.....	Do.*
Chrysomphalus sp. (scale insect).....	do.....	Do.*
Curculionid.....	Eugenia klotzschiana.....	District of Columbia.
Diaphania nitidalis (Pyralidae).....	Cucumis sativus (cucumber).....	New York.*
Diaspis boisduvalii (Boisduval's scale).....	Laelia cattleya.....	District of Columbia.
Do.....	Rhipsalis.....	Do.
Dysdercus ruficollis (Pyrrhocoridae).....	Unknown.....	Do.
Eusecepes batatae (West Indian sweet-potato weevil).....	Ipomoea batatas (sweet potato).....	New York.*
Ischnaspis longirostris (thread scale).....	Palm (2).....	Do.*
Lepidosaphes albus (scale insect).....	Manihot (cuttings).....	Do.*
Lepidosaphes beckii (purple scale).....	Citrus grandis (grapefruit).....	Do.*
Do.....	do.....	California.
Do.....	Citrus sp.....	District of Columbia.
Leucaspis cockerelli (scale insect).....	Palm (2).....	New York.*
Mylabris obtectus (bean weevil).....	Preto beans.....	District of Columbia.
Mylabris sp. (Mylabridae).....	Vicosa.....	Do.
Necrobia ruficollis (Corynetidae).....	Unknown.....	Pennsylvania.*
Oryzaephilus surinamensis (saw-toothed grain beetle).....	Mangifera indica (mango) seed.....	District of Columbia.
Pectinophora gossypiella (pink bollworm).....	Gossypium sp. (cotton seed).....	Maryland.*
Do.....	do.....	Pennsylvania.*
Pinnaspis buxi (scale insect).....	Hibiscus sp.....	New York.*
Do.....	Palm (2).....	Do.*
Pseudococcus nipae (palm mealybug).....	Palm.....	Do.*
Pseudococcus sp. (mealybug).....	Laelia cattleya.....	District of Columbia.
Do.....	Rhipsalis.....	Do.
Pyralid.....	Gossypium sp. (cotton seed).....	Do.
Tribolium ferrugineum (rust-red flour beetle).....	Preto beans.....	Do.
Diseases:		
Diplodia manihoti.....	Manihot sp.....	New York.*
Heterodera radicola.....	Ixora coccinea.....	District of Columbia.
Phomopsis citri.....	Citrus grandis (grapefruit).....	California.
Do.....	Citrus sinensis (orange).....	Do.*
BRITISH COLUMBIA.		
Insects:		
Betarmon bigeminatus (Elateridae).....	In soil with balsam spruce.....	Pennsylvania.*
Brachyiulus pusillus (myriopod).....	do.....	Do.*
Epinotia meritana (Tortricidae).....	Balsam spruce.....	Do.*
Do.....	In soil with balsam spruce.....	Do.*
Geophilus alaskanus (myriopod).....	do.....	Do.*
Gnathomerium melanonotum (myriopod).....	do.....	Do.*
Lepidosaphes ulmi (oyster-shell scale).....	Ribes sp.....	District of Columbia.
Linotaenia fulva (myriopod).....	In soil with balsam spruce.....	Pennsylvania.*
Parajulus spp. (myriopod).....	do.....	Do.*
Tetramorium guineensis (ant).....	do.....	Do.*
BRITISH EAST AFRICA.		
Insects:		
Carpophilus dimidiatus (corn sap beetle).....	Telfairia pedata seeds.....	District of Columbia.
Tribolium ferrugineum (rust-red flour beetle).....	do.....	Do.
BRITISH GUIANA.		
Insect:		
Prenolepis longicornis (crazy ant).....	Clusia sp.....	District of Columbia.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
BRITISH HONDURAS.		
Insects:		
Lepidosaphes sp. (scale insect).....	Jatropha.....	District of Columbia.
Mylabris obtectus (bean weevil).....	Milpa Frijoles (bean seed).....	Do.
Do.....	Pelon (bean seed).....	Do.
BRITISH WEST INDIES.		
Insects:		
Pectinophora gossypiella (pink bollworm)...	Gossypium sp. (cotton seed) (2).....	New York.*
Targionia hartii (scale insect).....	Dioscorea sp. (yam).....	District of Columbia.
CANADA.		
Insects:		
Aulacaspis rosae (rose scale).....	Rosa sp. (rose).....	District of Columbia.
Megastigmus tsugae (seed chalcid).....	Tsuga heterophylla (western hemlock) (seed).	Do.
Disease:		
Melanconium sacchari.....	Saccharum officinarum (sugar-cane).....	California.
CANAL ZONE.		
Insects:		
Chrysomphalus sp. (scale insect).....	Orchid.....	Florida.
Helipus sp. (Curculionidae).....	Persea gratissima (avocado).....	New York.*
Lepidosaphes beckii (purple scale).....	Citrus grandis (grapefruit).....	California.
Do.....	Citrus sinensis (orange) (3).....	Do.
Diseases:		
Pestalozzia sp.....	Citrus aurantium (sour orange).....	California.*
Phomopsis citri.....	Citrus sinensis (orange).....	Do.*
CANARY ISLANDS.		
Insects:		
Aspidiotus hederæ (ivy scale).....	Unknown.....	Florida.
Pseudococcus citri (citrus mealybug).....	do.....	Do.
Saissetia oleæ (black scale).....	do.....	Do.
CENTRAL AMERICA.		
Insects:		
Aspidiotus cyanophylli (scale insect).....	Musa sp. (banana) (42).....	California.
Aspidiotus cydoniæ (scale insect).....	Musa sp. (banana) (5).....	Do.
Aspidiotus sp. (scale insect).....	Musa sp. (banana).....	Do.
Azteca sp. (ant).....	Musa sp. (banana) (2).....	Do.
Chrysomphalus aonidium (Florida red scale).....	Musa sp. (banana).....	Do.
Chrysomphalus dictyospermi (scale insect).....	do.....	Do.
Chrysomphalus scutiformis (scale insect).....	Musa sp. (banana) (14).....	Do.
Icerya purchasi (cottony cushion scale).....	Musa sp. (banana).....	Do.
Icerya sp. (scale insect).....	do.....	Do.
Iridomyrmex humilis (Argentine ant).....	do.....	Do.
Lachnosterna sp. (Scarabaeidae).....	do.....	Do.
Lepidosaphes beckii (purple scale).....	Citrus aurantifolia (lime).....	Do.
Do.....	Citrus sinensis (orange).....	Do.
Palaeococcus sp. (scale insect).....	Musa sp. (banana).....	Do.
Parlatoria pergandii (chaff scale).....	Citrus aurantifolia (lime).....	Do.
Do.....	Croton sp.....	Maryland.*
Pelidnota sp. (Scarabaeidae).....	Musa sp. (banana).....	California.
Pseudonidia articulatus (rufous scale).....	Croton sp.....	Maryland.*
Do.....	Musa sp. (banana) (5).....	California.
Pseudococcus adonidium (long-tailed mealybug).....	Musa sp. (banana).....	Do.
Pseudococcus maritimus (mealybug).....	Musa sp. (banana) (10).....	Do.
Pseudococcus sp. (mealybug).....	do.....	Do.
Solenopsis sp. (ant).....	Musa sp. (banana).....	Do.
Trox sp. (Scarabaeidae).....	do.....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
CEYLON.		
Insects:		
Araecerus sp. (Platystomidae).....	Caesalpinia sp.....	District of Columbia.
Aspidiotus cyanophylli (scale insect).....	Amherstia nobilis.....	Do.
Do.....	Lycidice rhodostegia.....	Do.
Aspidiotus lataniae (scale insect).....	Garcinia mangostana.....	Do.
Carpophilus humeralis (Nitidulidae).....	Palm (seed).....	Do.
Carpophilus sp. (Nitidulidae).....	Cycas sp.....	New York.*
Chelisoches morio (earwig).....	In soil with plants.....	District of Columbia.
Chrysomphalus dictyospermi (scale insect).....	Garcinia mangostana.....	Do.
Do.....	Lycidice rhodostegia.....	Do.
Coccotrypes sp. (Scolytidae).....	Palm (seed).....	Do.
Coccus elongatus (long soft scale).....	Cassia grandis.....	Do.
Do.....	Lycidice rhodostegia.....	Do.
Coccus viridis (coffee scale).....	Brunfelsia bicolor.....	Do.
Gelechia sp. (Gelechiidae).....	In case with plants.....	Do.
Heliothrips haemorrhoidalis (greenhouse thrips).....	Garcinia mangostana.....	Do.
Labia curvicauda (earwig).....	In soil with plants.....	Do.
Mylabris sp. (Mylabridae).....	Caesalpinia sp.....	Do.
Opogona sp. (Tineidae).....	In case with plants.....	Do.
Prenolepis sp. (ant).....	In soil with plants.....	Do.
Pseudaonidia tesserata (scale insect).....	Lycidice rhodostegia.....	Do.
Pseudococcus citri (citrus mealybug).....	Amherstia nobilis.....	Do.
Do.....	Brunfelsia bicolor.....	Do.
Do.....	Cassia grandis.....	Do.
Do.....	Clerodendron paniculatum.....	Do.
Do.....	Lycidice rhodostegia.....	Do.
Do.....	Peltophorum ferrugineum.....	Do.
Saissetia hemisphaerica (hemispherical scale).....	Brunfelsia bicolor.....	Do.
Technomyrmex albipes (ant).....	In soil with plants.....	Do.
Tetramorium sp. (ant).....	.....do.....	Do.
Tetranychus sp. (mite).....	Cassia grandis.....	Do.
Tortricid.....	On side of bamboo case.....	Do.
CHILE.		
Insects:		
Aleuroparadoxus punctatus (whitefly).....	Lithraea caustica (leaves).....	District of Columbia.
Aspidiotus hederæ (ivy scale).....	Persea gratissima (avocado).....	New York.*
Chloridea obsoleta (corn earworm).....	Zea mays (corn).....	Do.*
Chrysomphalus bififormis (scale insect).....	Orchids.....	California.
Chrysomphalus dictyospermi (scale insect).....	.....do.....	Do.
Diaspis boisduvalii (Boisduval's scale).....	.....do.....	Do.
Phthorimæa operculella (potato tuber moth).....	Solanum tuberosum (Irish potato) (3).....	New York.*
Do.....	.....do.....	Pennsylvania.*
Diseases:		
Actinomyces scabies.....	Solanum tuberosum (Irish potato).....	Florida.
Fusarium.....	.....do.....	Do.
Ustilago hordei.....	Hordeum vulgare (barley).....	District of Columbia.
CHINA.		
Insects:		
Anisolabis annulipes (earwig).....	In soil with bamboo cane.....	District of Columbia.
Aphid.....	Caladium (4).....	Hawaii.
Araecerus fasciculatus (coffee-bean weevil).....	Dried persimmons.....	California.
Aspidiotus lataniae (scale insect).....	Unknown plant.....	Do.
Aspidiotus perniciosus (San Jose scale).....	Wild pear.....	District of Columbia.
Aulacaspis crawii (scale insect).....	Lichee wood.....	California.
Aulacaspis pentagona (West Indian peach scale).....	Wild peach.....	District of Columbia.
Balaninus sp. (Curculionidae).....	Castanea sp. (2).....	Do.
Calendra oryzae (rice weevil).....	Hordeum vulgare (barley).....	Do.
Do.....	Kaoliang (seed).....	Do.
Do.....	Triticum aestivum (wheat) (2).....	Do.
Cathartus advena (foreign grain beetle).....	Averrhoa carambola (seed) (2).....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
CHINA—continued.		
Insects—Continued.		
Cathartus advena (foreign grain beetle).....	Dried persimmons.....	California.
Do.....	Rubus sp. (seed).....	District of Columbia.
Cathartus sp. (Cucujidae).....	Pinus sp. (pine).....	California.
Do.....	Rubus sp.....	District of Columbia.
Chionaspis citri (orange Chionaspis).....	Citrus grandis (pomelo).....	Oregon.*
Do.....	Citrus sinensis (orange).....	California.
Chrysomphalus aonidium (Florida red scale).....	Citrus sinensis (orange).....	Do.
Chrysomphalus aurantii (California red scale).....	Citrus grandis (pomelo).....	Oregon.*
Coptosoma nepalense (Coptosamatidae).....	Wild persimmon.....	District of Columbia.
Cryptorhynchus sp. (Curculionidae).....	Pinus sp. (pine).....	California.
Cubaris sp. (isopod).....	Ipomoea batatas (sweet potato).....	Hawaii.
Do.....	In soil with plants.....	Do.
Curculionid.....	Castanea sp. (2).....	District of Columbia.
Do.....	Quercus sp.....	Do.
Cylas formicarius (sweet-potato weevil).....	Ipomoea batatas (sweet potato).....	California.
Do.....	Ipomoea batatas (sweet potato) (6).....	Hawaii.
Dermestes sp. (Dermestidae).....	Dried provisions.....	Oregon.*
Dinoderus sp. (Bostrichidae).....	Dried persimmons.....	California.
Eulota similis (Mollusca).....	Bambusa sp. (bamboo).....	District of Columbia.
Fiorinia sp. (scale insect).....	Trapa natans (water chestnut).....	Maryland.*
Hemichionaspis aspidistrae (aspidistra scale).....	Citrus grandis (pomelo).....	Oregon.*
Kytorhinus karasini (Mylabridae).....	Unknown.....	District of Columbia.
Laemophloeus ferrugineus (Cucujidae).....	Alpinia sp.....	Do.
Laemophloeus sp. (Cucujidae).....	Tree seed.....	Do.
Lecanium kunoensis (?) (scale insect).....	Pyrus baccata (crab apple).....	Do.
Lepidosaphes beekii (purple scale).....	Citrus grandis (pomelo).....	California.
Lepidosaphes gloverii (Glover's scale).....	do.....	Oregon.*
Lepidosaphes sp. (scale insect).....	Bambusa sp. (bamboo).....	Maryland.*
Do.....	Citrus grandis (pomelo).....	Hawaii.
Monomorium pharaonis (Pharaoh's ant).....	"Var. of cane".....	California.
Mukaria sp. (Jassidae).....	Bambusa sp. (bamboo).....	District of Columbia.
Mylabris chinensis (Mylabridae).....	Beans.....	California.
Do.....	Cowpeas (Chinese).....	District of Columbia.
Do.....	Dolichos sinensis (seed).....	Do.
Do.....	Dolichos umbellata (seed) (2).....	Do.
Do.....	Glutinous rice.....	Do.
Odonaspis penicillata (scale insect).....	Phyllostachys pubescens.....	Do.
Omphisa anastomosalis (sweet-potato stem borer).....	Ipomoea batatas (sweet potato).....	California.
Oryzaephilus mercator (Cucujidae).....	Ornamental vines.....	District of Columbia.
Parlatoria pergandii (chaff scale).....	Citrus grandis (pomelo).....	Hawaii.
Do.....	do.....	California.
Do.....	Citrus limonia (lemon).....	Do.
Do.....	Citrus sinensis (orange) (2).....	Do.
Parlatoria pyri (scale insect).....	Pyrus baccata (crab apple).....	District of Columbia.
Parlatoria zizyphus (scale insect).....	Citrus grandis (pomelo).....	California.
Do.....	do.....	Oregon.*
Parlatoria sp. (scale insect).....	Phoenix sp. (date).....	District of Columbia.
Pheidole megacephala (ant).....	Alpinia sp. (?).....	Do.
Polyrhachis rasilata (ant).....	Legume seed.....	Do.
Prenolepis longicornis (crazy ant).....	Caladium.....	Hawaii.
Prenolepis sp. (ant).....	do.....	Do.
Pseudococcus citri (citrus mealybug).....	Ipomoea batatas (sweet potato).....	Do.
Pseudococcus sp. (mealybug).....	Musa sp. (banana).....	Pennsylvania.*
Pyralid.....	Diospyros sp.....	District of Columbia.
Rhizoglyphus sp. (mite).....	Chinese tuber.....	New York.*
Sciara sp. (Mycetophilidae).....	Trapa natans (water chestnut).....	Maryland.*
Tineid.....	Gossypium sp. (cotton seed).....	District of Columbia.
Diseases:		
Cladosporium citri.....	Citrus sinensis (orange).....	California.*
(Mosaic).....	Bambusa sp. (bamboo).....	District of Columbia.
Do.....	Saccharum officinarum (sugar-cane).....	Do.
Phoma citricarpa.....	Citrus sinensis (orange).....	Washington.*
Uredo sp.....	Bambusa sp. (bamboo).....	District of Columbia.
Xylaria.....	Saccharum officinarum (sugar-cane).....	California.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
COLOMBIA.		
Insects:		
<i>Aspidiotus destructor</i> (scale insect).....	Musa sp. (banana).....	Pennsylvania.*
<i>Blapstinus sulipennis</i> (Tenebrionidae).....	In case of fiber plants.....	District of Columbia.
<i>Calendra linearis</i> (Curculionidae).....	Tamarindus sp.....	New York.*
<i>Camponotus maculatus</i> (ant).....	In crate of fiber plants.....	District of Columbia.
<i>Cardiastethus</i> sp. (Anthocoridae).....	Musa sp. (banana).....	Pennsylvania.*
<i>Crematogaster</i> sp. (ant).....	Musa. sp. (banana) (3).....	Do.*
<i>Diaspis boisduvalii</i> (Boisduval's scale).....	Fiber plants.....	District of Columbia.
<i>Diaspis</i> sp. (scale insect).....	Orchids.....	Do.
<i>Echinopsalis guttatus</i> (earwig).....	In case of fiber plants.....	Do.
<i>Hymenorus</i> sp. (Alleculidae).....	do.....	Do.
<i>Macrotrachelia opacipennis</i> (Anthocoridae).....	Musa sp. (banana).....	Pennsylvania.*
<i>Nasutitermes</i> sp. (termite).....	Fiber plants.....	District of Columbia.
<i>Odonotomachus haematodes</i> (ant).....	In crate of fiber plants.....	Do.
<i>Oryzaephilus surinamensis</i> (sawtoothed grain beetle).....	Musa sp. (banana).....	Pennsylvania.*
<i>Pheidole</i> sp. (ant).....	In crate of fiber plants.....	District of Columbia.
Do.....	Musa sp. (banana).....	Pennsylvania.*
<i>Plodia interpunctella</i> (Indian meal moth).....	Tamarindus sp.....	New York.*
<i>Ponera trigona</i> (ant).....	In crate of fiber plants.....	District of Columbia.
<i>Prenolepis longicornis</i> (crazy ant).....	Musa sp. (banana) (2).....	Pennsylvania.*
<i>Pyralid</i>	Fiber plants.....	District of Columbia.
<i>Sciara</i> sp. (Mycetophilidae).....	Musa sp. (banana).....	Pennsylvania.*
<i>Silvanus</i> sp. (Cucujidae).....	In case of fiber plants.....	District of Columbia.
<i>Sphenophorus</i> sp. (Cuculionidae).....	Fiber plants.....	Do.
<i>Stenomid</i>	Orchid.....	Do.
<i>Tarantula</i> (spider).....	Musa sp. (banana).....	Pennsylvania.*
<i>Tribolium ferrugineum</i> (rust-red flour beetle).....	Fiber plants.....	District of Columbia.
COOK ISLANDS.		
Insects:		
<i>Lepidosaphes beckii</i> (purple scale).....	Citrus sinensis (orange).....	California.
<i>Rhizoglyphus</i> sp. (mite).....	Dasheen.....	District of Columbia.
COSTA RICA.		
Insects:		
<i>Aleurotrachelus</i> sp. (whitefly).....	Orchid.....	District of Columbia.
<i>Anastrepha</i> sp. (Trypetidae).....	Pejibayes fruit.....	Do.
<i>Aulacaspis flacourtiae</i> (scale insect).....	do.....	Do.
<i>Carpophilus hemipterus</i> (Nitidulidae).....	Pejibayes fruit (2).....	Do.
<i>Cecidomyid</i>	Pejibayes fruit.....	Do.
<i>Curculionid</i>	Palm (seeds).....	Do.
Do.....	Pejibayes fruit.....	Do.
<i>Metamasius sericeus</i> (sugar-cane borer).....	do.....	Do.
<i>Pegomyia</i> sp. (Anthomyidae).....	Theobroma cacao (cocoa).....	Do.
<i>Pseudococcus bromeliae</i> (pineapple mealybug).....	Ananas sativus (pineapple).....	Massachusetts.*
<i>Silvanus</i> sp. (Cucujidae).....	Palm (seeds).....	District of Columbia.
<i>Thyrecoris</i> sp. (Cydnidae).....	Paspalum notatum.....	Do.
Disease:		
<i>Claviceps paspali</i>	do.....	Do.
CUBA.		
Insects:		
<i>Aleurocanthus woglumi</i> (citrus black fly).....	Citrus sp.....	Florida.
Do.....	Coffea sp. (coffee).....	Do.
Do.....	Jasminum sp. (jasmine).....	Do.
Do.....	Persea gratissima (avocado).....	Do.
Do.....	Stephanotis sp.....	Do.
<i>Aleurodicus cardini</i> (Cardin's whitefly).....	Psidium guajava (guava).....	Do.
<i>Aleurothrix howardi</i> (woolly whitefly).....	Citrus sp. (5).....	Do.
<i>Anastrepha fraterculus</i> (West Indian fruit fly).....	Cuban plum.....	Do.
Do.....	Mangifera indica (mango) (3).....	Do.
<i>Aphis gossypii</i> (melon aphid).....	Gossypium sp. (cotton seed).....	Do.
<i>Aphis</i> sp. (aphid).....	Bouquet of flowers.....	Pennsylvania.*
Do.....	Psidium guajava (guava).....	Florida.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
CUBA—continued.		
Insects—Continued.		
Aspidiotus cocotiphagus (scale insect).....	Annona squamosa (sugar apple).....	Florida.
Do.....	Cocos nucifera (coconut) (30).....	Do.
Do.....	Cocos nucifera (coconut) (2).....	Pennsylvania.*
Do.....	Eucalyptus.....	Florida.
Do.....	Mangifera indica (mango).....	New York.*
Do.....	Musa sp. (banana).....	Do.*
Aspidiotus destructor (scale insect).....	Annona cherimola (chirimoya).....	Florida.
Do.....	Annona squamosa (sugar apple).....	Do.
Do.....	Cocos nucifera (coconut) (10).....	Do.
Do.....	Cocos nucifera (coconut).....	Pennsylvania.
Do.....	Musa sp. (banana) (5).....	Florida.
Do.....	Musa sp. (banana) (2).....	New York.*
Do.....	Persea gratissima (avocado).....	Florida.
Do.....	Psidium guajava (guava) (2).....	Do.
Do.....	Unknown.....	Do.
Aspidiotus lataniae (scale insect).....	Caladium.....	Do.
Do.....	Carojo palm.....	Do.
Do.....	Cycas sp. (sago palm).....	Do.
Do.....	Ficus sp. (fig).....	Do.
Do.....	Palm.....	Do.
Do.....	Pandanus sp.....	Do.
Do.....	Poinciana regia (royal poinciana).....	Do.
Do.....	Psidium guajava (guava) (2).....	Do.
Do.....	Seed pod.....	Do.
Do.....	Unknown (2).....	Do.
Aspidiotus subsimilis anonae (scale insect).....	Annona cherimola (chirimoya).....	Do.
Do.....	Annona muricata (sour sop) (2).....	Do.
Do.....	Annona squamosa (sugar apple).....	Do.
Do.....	Poinciana regia (royal poinciana).....	Do.
Do.....	Unknown.....	Do.
Aspidiotus sp. (scale insect).....	Cocos nucifera (coconut).....	California.
Do.....	Unknown.....	Florida.
Asterolecanium miliaris (scale insect).....	Bambusa sp. (bamboo).....	Do.
Asterolecanium pustulans (pustule scale).....	Unknown (2).....	Do.
Bephrata cubensis (Chalcididae).....	Annona cherimola (chirimoya).....	Do.
Do.....	Annona muricata (sour sop).....	Do.
Calendra oryzae (rice weevil).....	Dioscorea sp. (yam) (2).....	District of Columbia.
Do.....	Mangifera indica (mango).....	Florida.
Do.....	Zea mays (corn).....	District of Columbia.
Carpophilus dimidiatus (corn sap-beetle).....	Dioscorea sp. (yam).....	Do.
Carpophilus sp. (Nitidulidae).....	do.....	Florida.
Cathartus cassiae (Cucujidae).....	do.....	District of Columbia.
Ceroplastes sp. (wax scale).....	Cirtus grandis (grapefruit).....	Florida.
Cheyletus sp. (mite).....	Unknown.....	Do.
Chionaspis citri (orange Chionaspis).....	Citrus sinensis (orange) (2).....	Do.
Do.....	Citrus sp.....	Do.
Chloridea obsoleta (corn earworm).....	Zea mays (corn).....	Do.
Chrysomphalus aonidium (Florida red scale).....	Annona squamosa (sugar apple).....	Do.
Do.....	Citrus sinensis (orange).....	Do.
Do.....	Citrus sp. (2).....	Do.
Do.....	Mangifera indica (mango).....	New York.*
Do.....	Pandanus (2).....	Florida.
Do.....	Persea gratissima (avocado).....	Do.
Do.....	Rosa sp. (rose).....	Do.
Chrysomphalus dictyospermi (scale insect).....	Caladium.....	Do.
Do.....	Cocos nucifera (coconut).....	Do.
Do.....	Mangifera indica (mango).....	New York.*
Coccus hesperidum (soft brown scale).....	Citrus aurantifolia (lime).....	Florida.
Do.....	Citrus grandis (grapefruit).....	Do.
Do.....	Citrus sp. (2).....	Do.
Do.....	"Yamagua".....	Do.
Coccus viridis (coffee scale).....	Unknown.....	Do.
Conchaspis angraei (scale insect).....	Croton sp.....	Do.
Crematogaster sanguinea var. torrei (ant).....	Musa sp. (banana).....	New York.*

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
CUBA—continued.		
Insects—Continued.		
Cylas formicarius (sweet-potato weevil).....	Ipomoea batatas (sweet potato) (4).....	Florida.
Do.....	Ipomoea batatas (sweet potato).....	Massachusetts.*
Dialeurodes citrifolia (cloudy-winged whitefly)	Citrus aurantifolia (lime).....	Florida.
Do.....	Citrus sinensis (orange).....	Do.
Do.....	Citrus sp. (2).....	Do.
Diaphania nitidalis (Pyralidae).....	Cucumis sativus (cucumber).....	New York.*
Diaspis boisduvalii (Boisduval's scale).....	Acrocomia sclerocarpa (3).....	Florida.
Do.....	Citrus aurantifolia (lime).....	Do.
Do.....	Cocos nucifera (coconut) (6).....	Do.
Diaspis bromeliae (scale insect).....	Ananas sativus (pineapple).....	Do.
Do.....	Musa sp. (banana).....	New York.*
Diatraea sp. (Pyralidae).....	Saccharum officinarum (sugar-cane) (18).....	Florida.
Earwig.....	Dioscorea sp. (yam).....	Do.
Do.....	Saccharum officinarum (sugar-cane).....	Do.
Franklinothrips vespiformis (thrips).....	Cocos nucifera (coconut).....	Do.
Franklinothrips sp. (thrips).....	do.....	Do.
Haplothrips merrilli (thrips).....	Cocos nucifera (coconut) (5).....	Do.
Haplothrips sp. (thrips).....	Cocos nucifera (coconut) (3).....	Do.
Heliothrips hemorrhoidalis (greenhouse thrips)	Citrus sp.....	Do.
Do.....	Croton sp.....	Do.
Heliothrips rubrocinctus (red-banded thrips)	Psidium guajava (guava).....	Do.
Hemichionaspis aspidistrae (aspidistra scale)	Fern.....	Do.
Do.....	Pandanus sp.....	Do.
Hemichionaspis minor (scale insect).....	Annona muricata (sour sop).....	Do.
Do.....	Carojo palm.....	Do.
Do.....	Cocos nucifera (coconut) (6).....	Do.
Do.....	Gossypium sp. (cotton seed).....	Do.
Do.....	Hibiscus sp.....	Do.
Do.....	Palm.....	Do.
Do.....	Unknown.....	Do.
Hemichionaspis sp. (scale insect).....	Poinciana regia (royal poinciana).....	Do.
Howardia biclavus (mining scale).....	Achradelpha mammosa.....	Maryland.*
Do.....	Citrus aurantifolia (lime).....	Florida.
Do.....	Jasmine (2).....	New York.*
Do.....	Stephanotis sp.....	Florida.
Do.....	Unknown (2).....	Do.
Hypothenemus sp. (Scolytidae).....	Musa sp. (banana).....	New York.*
Ischnaspis longirostris (thread scale).....	Palm.....	Florida.
Lasiocbilus sp. (Anthecoridae).....	Bouquet of flowers.....	Pennsylvania.*
Lepidosaphes beekii (purple scale).....	Citrus aurantifolia (lime).....	Florida.
Do.....	Citrus grandis (grapefruit).....	Do.
Do.....	Citrus limonia (lemon).....	Do.
Do.....	Citrus nobilis (tangerine) (2).....	Do.
Do.....	Citrus sinensis (orange) (4).....	Do.
Do.....	Citrus sinensis (orange).....	Pennsylvania.*
Do.....	Citrus sp. (12).....	Florida.
Lepidosaphes hawaiiensis (scale insect).....	Annona muricata (sour sop).....	Do.
Lepidosaphes sp. (scale insect).....	Cassava.....	Do.
Mylabris sp. (Mylabridae).....	Dolichos lablab (seed).....	District of Columbia.
Noctuid.....	Musa sp. (banana).....	New York.*
Parlatoria pergandii (chaff scale).....	Citrus nobilis (tangerine).....	Florida.
Do.....	Citrus sp.....	Do.
Do.....	Croton sp.....	Do.
Prolabia unidentata (earwig).....	Saccharum officinarum (sugar-cane).....	Pennsylvania.*
Pseudoaonidia articulatus (rufous scale).....	Acalypha.....	Florida.
Do.....	Annona squamosa (sugar apple).....	Do.
Do.....	Caladium (?).....	Do.
Do.....	Citrus nobilis (tangerine).....	Do.
Do.....	Citrus sinensis (orange).....	Do.
Do.....	Cocos nucifera (coconut).....	Do.
Do.....	Croton sp.....	Do.
Do.....	Mangifera indica (mango).....	New York.*
Do.....	Palm (2).....	Florida.
Do.....	Pinus sp. (pine).....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
CUBA—continued.		
Insects—Continued.		
<i>Pseudaonidia articulatus</i> (rufous scale).....	Unknown.....	Florida.
<i>Pseudischinaspis alienus</i> (scale insect).....	<i>Annona cherimola</i> (chirimoya).....	Do.
Do.....	<i>Annona squamosa</i> (sugar apple).....	Do.
Do.....	<i>Rosa</i> sp. (rose).....	Do.
Do.....	Unknown.....	Do.
<i>Pseudischinaspis bowreyi</i> (scale insect).....	<i>Annona cherimola</i> (chirimoya).....	New York.*
Do.....	<i>Mangifera indica</i> (mango).....	Do.*
Do.....	<i>Jasmine</i>	Do.*
<i>Pseudococcus adonidum</i> (long-tailed mealybug).....	<i>Caladium</i>	Florida.
Do.....	<i>Canna</i>	Do.
Do.....	<i>Croton</i> sp. (2).....	Do.
Do.....	<i>Pandanus</i> sp.....	Do.
Do.....	Unknown (2).....	Do.
<i>Pseudococcus bromeliae</i> (pineapple mealybug).....	<i>Ananas sativus</i> (pineapple).....	Do.
<i>Pseudococcus calceolariae</i> (mealybug).....	<i>Saccharum officinarum</i> (sugar-cane).....	Do.
<i>Pseudococcus citri</i> (citrus mealybug).....	<i>Dioscorea</i> sp. (yam).....	District of Columbia.
Do.....	Wandering Jew.....	Florida.
<i>Pseudococcus nipae</i> (palm mealybug).....	<i>Cocos nucifera</i> (coconut).....	Do.
Do.....	<i>Palm</i>	Do.
Do.....	<i>Psidium guajava</i> (guava).....	Do.
<i>Pseudococcus</i> sp. (mealybug).....	<i>Ananas sativus</i> (pineapple).....	California.
Do.....	<i>Annona squamosa</i> (sugar apple).....	Florida.
Do.....	<i>Cocos nucifera</i> (coconut).....	Do.
Do.....	<i>Croton</i> sp.....	Do.
Do.....	<i>Gossypium</i> sp. (cotton seed).....	Do.
Do.....	<i>Mangifera indica</i> (mango).....	Do.
Do.....	<i>Musa</i> sp. (banana).....	Do.
Do.....	<i>Musa</i> sp. (banana) (3).....	New York.*
Do.....	<i>Psidium guajava</i> (guava).....	Florida.
Do.....	Taro plant.....	New York.*
Do.....	Unknown (3).....	Florida.
Pyralid.....	<i>Paspalum notatum</i>	District of Columbia.
<i>Pyrophorus</i> sp. (Elateridae).....	Unknown.....	Florida.
<i>Rhizoglyphus</i> sp. (mite).....	<i>Crescentia</i> sp.....	District of Columbia.
<i>Saissetia hemisphaerica</i> (hemispherical scale).....	<i>Annona muricata</i> (sour sop).....	Florida.
Do.....	<i>Stephanotis</i> sp.....	Do.
Do.....	Unknown.....	Do.
<i>Saissetia oleae</i> (black scale).....	do.....	Do.
<i>Sciara</i> sp. (Mycetophilidae).....	<i>Solanum tuberosum</i> (Irish potato).....	Pennsylvania.*
Scolytid.....	Almond.....	Florida.
<i>Silvanus gemellatus</i> (Cucujidae).....	<i>Zea mays</i> (corn).....	Do.
<i>Sitotroga cerealella</i> (Angoumois grain moth).....	do.....	District of Columbia.
<i>Symphothrips punctatus</i> (thrips).....	<i>Cocos nucifera</i> (coconut).....	Florida.
<i>Targionia hartii</i> (scale insect).....	<i>Dioscorea</i> sp. (yam).....	Do.
<i>Targionia sacchari</i> (scale insect).....	do.....	Do.
Do.....	<i>Saccharum officinarum</i> (sugar-cane).....	Do.
Thrips.....	<i>Croton</i> sp.....	Do.
Do.....	Seed pod.....	Do.
Tineid.....	<i>Saccharum officinarum</i> (sugar-cane).....	Pennsylvania.*
<i>Trialeurodes floridensis</i> (Florida white fly).....	<i>Persea gratissima</i> (avocado).....	Florida.
Diseases:		
(Black melanose).....	<i>Citrus sinensis</i> (orange).....	Do.
<i>Cladosporium citri</i>	<i>Citrus grandis</i> (grapefruit).....	Do.
<i>Colletotrichum</i>	<i>Cocos nucifera</i> (coconut).....	Do.
<i>Pestalozzia</i>	do.....	Do.
CZECHOSLOVAKIA.		
Insects:		
<i>Anuraphis</i> sp. (aphid).....	<i>Malus sylvestris</i> (apple) (tree) (scions).....	District of Columbia.
<i>Aspidiotus ostreaeformis</i> (scale insect).....	do.....	Do.
<i>Bryobia praetiosa</i> (mite).....	do.....	Do.
<i>Chalcidid</i> (larva).....	do.....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
CZECHOSLOVAKIA—continued.		
Insects—Continued.		
Lecanium coryli (scale insect).....	Prunus cerasus (cherry).....	District of Columbia.
Do.....	Tilia dasystila.....	Do.
Lepidosaphes ulmi (oyster-shell scale).....	Malus sylvestris (apple) (tree).....	Do.
Magdalis barbicornis (Curculionidae).....	do.....	Do.
Do.....	Pyrus sp.....	Do.
Notolophus antiqua (European tussock moth).....	Prunus sp.....	Do.
Do.....	Pyrus sp. (?).....	Do.
Olethreutid.....	Malus sylvestris (apple) (tree).....	Do.
Do.....	Prunus sp. (branches).....	Do.
Do.....	Pyrus sp. (branches).....	Do.
Paratetranychus pilosus (European red mite).....	Malus sylvestris (apple) (tree).....	Do.
Phenacoccus sp. (scale insect).....	do.....	Do.
Do.....	Tilia dasystila.....	Do.
Tortricid.....	Malus sp.....	Do.
DENMARK.		
Insects:		
Hemichionaspis aspidistrae (aspidistra scale).....	Potted plant.....	Louisiana.*
Mylabris pisorum (pea weevil).....	Pisum sativum (pea).....	District of Columbia.
Olethreutid.....	Pinus sp. (pine) (cones).....	New York.*
Pyrilid.....	do.....	Do.*
Do.....	In soil.....	Do.*
DOMINICAN REPUBLIC.		
Insects:		
Anisolabis annulipes (earwig).....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Chloridea obsoleta (corn earworm).....	Zea mays (corn).....	New York.*
Gelechiid.....	Sabinea carinalis (seed).....	District of Columbia.
Howardia biclavus (mining scale).....	Jasmine.....	New York.*
Monomorium destructor (ant).....	Garcinia mangostana.....	District of Columbia.
Platypus sp. (Platypodidae).....	Bark of mahogany logs.....	New York.*
Prenolepis longicornis (crazy ant).....	Cassava.....	Do.*
Pseudococcus adonidum (long-tailed mealybug).....	Garcinia mangostana.....	District of Columbia.
Pseudococcus bromeliae (pineapple mealybug).....	do.....	Do.
Pseudococcus citri (citrus mealybug).....	do.....	Do.
Rhizoglyphus sp. (mite).....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Saissetia hemisphaerica (hemispherical scale).....	Annona muricata (sour sop).....	New York.*
Do.....	Garcinia mangostana.....	District of Columbia.
Sciara sp. (Mycetophilidae).....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
DUTCH GUIANA.		
Insects:		
Aspidiotus cyanophylli (scale insect).....	Citrus sp. (Surinam King orange).....	District of Columbia.
Chrysomphalus aonidum (Florida red scale).....	Citrus grandis (grapefruit).....	Do.
Lepidosaphes beckii (purple scale).....	Citrus grandis (grapefruit) (2).....	Do.
Do.....	Citrus sp. (Baboon lemon).....	Do.
Do.....	Citrus sp. (Borneo lemon).....	Do.
Do.....	Citrus sp. (Croniningen orange).....	Do.
Do.....	Citrus sp. (Lamb's Summer orange).....	Do.
Do.....	Citrus sp. (Surinam King orange).....	Do.
Do.....	Citrus sp.....	Do.
Parlatoria sp. (scale insect).....	Citrus grandis (grapefruit).....	Do.
Pseudaonidia articulatus (rufous scale).....	Citrus sp.....	Do.
EGYPT.		
Insects:		
Attagenus piceus (Dermestidae).....	Gossypium sp. (cotton seed).....	District of Columbia.
Cathartus advena (foreign grain beetle).....	do.....	Louisiana.*
Lasioderma serricorne (cigarette beetle).....	do.....	Do.*
Mylabris sp. (Mylabridae).....	Acacia farnesiana (seed).....	District of Columbia.
Necrobia ruficollis (Corynetidae).....	Gossypium sp. (cotton seed).....	Louisiana.*

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
EGYPT—continued.		
Insects—Continued.		
Pectinophora gossypiella (pink bollworm)....	Gossypium sp. (cotton seed) (3).....	District of Columbia.
Do.....	Gossypium sp. (cotton seed).....	Louisiana.*
Phoenicococcus marlatti (scale insect).....	Date palm offshoots (3).....	California.
Phthorimaea operculella (potato tuber moth).....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Pseudococcus citri (citrus mealybug).....	Citrus sp.....	District of Columbia.
Rhizoglyphus hyacinthi (bulb mite).....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Tribolium ferrugineum (rust-red flour beetle).....	Gossypium sp. (cotton seed).....	Louisiana.*
Do.....	Nisilla.....	District of Columbia.
ENGLAND.		
Insects:		
Aegeria tipuliformis (Aegeriidae).....	Currant plant.....	District of Columbia.
Agriotes sp. (Elateridae).....	In sand used in packing dahlia roots.....	New York.*
Anaphothrips (thrips).....	Iris.....	District of Columbia.
Anthomyid.....	In soil about roots and bulbs.....	Pennsylvania.*
Anuraphis tulipae (aphid).....	Iris (11).....	District of Columbia.
Arion hortensis (Mollusca).....	In soil, sphagnum, and shamrock.....	Pennsylvania.*
Aspidiotus britannicus (scale insect).....	Bay leaves.....	New York.*
Aspidiotus camelliae (scale insect).....	Banksia narcenscens.....	District of Columbia.
Aspidiotus hederæ (ivy scale).....	Orchid.....	Do.
Asterolecanium variolosum (scale insect).....	Oak trees.....	Do.
Bibio sp. (Bibionidae).....	Montbretia bulbs.....	New York.*
Do.....	In soil about Houltuynia cordata.....	District of Columbia.
Brachygeophilus truncorum (myriopod).....	Geranium (potted).....	Pennsylvania.*
Do.....	Rosaceous plant.....	Do.*
Cartodere ruficollis (Lathridiidae).....	In soil about potted ferns.....	Do.*
Cerataphis lataniae (palm aphid).....	Orchids.....	California.
Chironomid.....	Montbretia bulbs.....	New York.*
Do.....	In soil.....	Pennsylvania.*
Coccus hesperidum (soft brown scale).....	Aralia sieboldii.....	New York.*
Do.....	Bay (2).....	Do.*
Do.....	Ivy.....	Do.*
Do.....	Orchid.....	District of Columbia.
Do.....	do.....	New York.*
Coccus sp. (scale insect).....	Cypripedium sp.....	District of Columbia.
Curculionid.....	In soil.....	Do.
Do.....	In can of sphagnum, soil, and shamrock.....	Pennsylvania.*
Damaeus sp. (mite).....	do.....	Do.
Diaspis boisduvalii (Boisduval's scale).....	Cattleya albanensis.....	District of Columbia.
Do.....	Cattleya X Fabia.....	Do.
Do.....	Orchids.....	California.
Do.....	Orchids (15).....	District of Columbia.
Diaspis bromeliae (scale insect).....	Orchids (2).....	Do.
Diaspis cattleyae (scale insect).....	Orchids.....	Do.
Diaspis sp. (scale insect).....	do.....	Do.
Dysdercus sp. (Pyrrhocoridae).....	Gossypium sp. (cotton seed).....	Pennsylvania.*
Emphytus cinctus (sawfly).....	Manetti rose stocks (2).....	Connecticut.
Do.....	Manetti rose stocks (9).....	Illinois.
Do.....	Manetti rose stocks (11).....	Indiana.
Do.....	Manetti rose stocks (2).....	Massachusetts.
Do.....	Manetti rose stocks (4).....	Pennsylvania.
Do.....	Manetti rose stocks (2).....	Wisconsin.
Enicmus minutus (Lathridiidae).....	In soil about currant plant.....	Pennsylvania.*
Do.....	Unknown.....	District of Columbia.
Eupodid (mite).....	Rosa cerasocarpa.....	Do.
Gastropacha quercifolia (lappet moth).....	Unknown.....	Pennsylvania.*
Harmolita sp. (Eurytomidae).....	In straw packing for raspberry.....	District of Columbia.
Histiostoma sp. (mite).....	Iris (rhizomes).....	Do.
Do.....	Pyrethrum plants.....	Do.
Illinoia sp. (aphid).....	Pittosporum veridiflorum.....	New York.*
Ischnodes sp. (Elateridae).....	In soil about roots of Scotch heather.....	Pennsylvania.*
Lathridiid.....	In soil about roots and bulbs.....	Do.*
Lecanium sp. (scale insect).....	Ribes sp.....	District of Columbia.
Do.....	Veronica cupressoides.....	Do.
Do.....	Veronica edinensis.....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
ENGLAND—continued.		
Insects—Continued.		
Lepidosaphes beckii (purple scale)	Citrus grandis (grapefruit)	Pennsylvania.*
Lepidosaphes gloverii (Glover's scale)	Citrus sinensis (orange)	Do.*
Lepidosaphes ulmi (oyster-shell scale)	Escallonia philippiana	District of Columbia.
Do.	Malus sylvestris (apple)	Florida.
Do.	Raspberry, Perfection	District of Columbia.
Do.	Red grape currant	Do.
Limoniuss sp. (Elateridae)	In soil about roots of Scotch heather	Pennsylvania.*
Liosoma deflexum (Curculionidae)	In soil	Do.*
Macoma balthica (Mollusca)	In soil around potted shamrock	Do.*
Macrosiphoniella sanborni (aphid)	Chrysanthemum	District of Columbia.
Micromyzus tulipaella (aphid)	Iris (rhizomes) (3)	Do.
Do.	Tulip (bulbs)	Do.
Myzus sp. (aphid)	Veronica edinensis	Do.
Newsteadia floccosa (scale insect)	In soil around unknown plant	Pennsylvania.*
Olethreutid	Rosa sp. (rose)	Do.*
Ophiulus pilosus (myriopod)	In can of sphagnum, soil, and shamrock	Do.*
Parlatoria pergandii (chaff scale)	Citrus sinensis (orange)	Do.*
Pentalonina (aphid nymph)	In soil about potted ferns	Do.*
Philosamia sp. (Saturniidae)	Unknown	New York.*
Phytonomus nigrirostris (Curculionidae)	do.	District of Columbia.
Polydesmus sp. (myriopod)	Geranium, potted	Pennsylvania.*
Do.	Montbretia bulbs	New York.*
Prenolepsis longicornis (crazy ant)	Orchids	District of Columbia.
Pseudococcus nipae (palm mealybug)	Palm	New York.*
Ptilinus pectinicornis (Anobiidae)	Poplar	District of Columbia.
Pulvinaria floccifera (scale insect)	Orchids	Do.
Pyralid	In moss	Do.
Rhizoglyphus hyacinthi (bulb mite)	Iris "Opera"	Do.
Do.	Narcissus bulbs	New York.*
Rhizoglyphus phylloxerae (mite)	Solanum tuberosum (Irish potato)	Do.*
Rhizopertha dominica (lesser grain borer)	Digitalis sp. (foxglove)	Pennsylvania.*
Saissetia hemisphaerica (hemispherical scale)	Castor leaves	New York.*
Schottella sp. (Thysanura)	In soil	Pennsylvania.*
Tetranychus telarius (two-spotted mite)	Currant plant	District of Columbia.
Vallonia pulchella (Mollusca)	In can of sphagnum, soil, and shamrock	Pennsylvania.*
Vertigo antivertigo (Mollusca)	do.	Do.*
Vitrea cellaria (Mollusca)	do.	Do.*
Zonitoides nitidus (Mollusca)	In soil about potted ferns	Do.*
Diseases:		
Actinomyces scabies	Solanum tuberosum (Irish potato) (3)	Florida.
Bacterium tumefaciens	Rosa (Manetti rose stock) (3)	Connecticut.
Do.	Rosa (Manetti rose stock)	Illinois.
Do.	Rosa (Manetti rose stock) (6)	Indiana.
Do.	Rosa (Manetti rose stock)	Iowa.
Do.	do.	Massachusetts.
Do.	do.	New Jersey.
Do.	do.	Pennsylvania.
Do.	Rosa (Manetti rose stock) (2)	Wisconsin.
Botrytis cinerea	Houttuynia cordata	District of Columbia.
Botrytis parasitica	Iris	Do.
Do.	Iris siberica	Do.
Heterodera radicola	Aspidistra	Pennsylvania.*
Heterosporium echinulatum	Dianthus caryophyllus	District of Columbia.
Spongospora subterranea	Solanum tuberosum (Irish potato)	Florida.
Do.	do.	Pennsylvania.*
FEDERATED MALAY STATES.		
Insect:		
Mylabris sp. (Mylabridae)	Dolichos hosei	District of Columbia.
FIJI ISLANDS.		
Disease:		
Melanconium sacchari	Saccharum officinarum (sugar-cane)	California.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
FINLAND.		
Insects:		
Agriotes lineatus (Elateridae).....	In soil about potted hyacinth plant.....	Pennsylvania.*
Anthomyid.....	do.....	Do.*
Myzus circumflexum (aphid).....	Hyacinth plant.....	Do.*
Rhizoglyphus hyacinthi (bulb mite).....	In soil about potted hyacinth plant.....	Do.*
FRANCE.		
Insects:		
Acronycta rumicis (sorrel cutworm).....	Fruit seedlings.....	Pennsylvania.
Do.....	Mahaleb cherry stock (2).....	Indiana.
Do.....	Manetti rose stock.....	Ohio.
Do.....	do.....	Wisconsin.
Anuraphis tulipae (aphid).....	Iris (5).....	District of Columbia.
Do.....	Iris rhizomes (4).....	Do.
Aonidia lauri (scale insect).....	Bay.....	New York.*
Aporia crataegi (white tree pierid) (nests).....	Apple stock (9).....	Iowa.
Do.....	Apple stock.....	Maryland.
Do.....	do.....	New York.*
Do.....	Apple stock (8).....	Do.*
Do.....	Apple stock.....	North Carolina.
Do.....	Cydonia oblonga (quince stock) (5).....	Iowa.
Do.....	Cydonia oblonga (quince stock).....	New York.
Do.....	do.....	Pennsylvania.
Do.....	Fruit stocks.....	Indiana.
Do.....	Fruit trees.....	New York.*
Do.....	Mahaleb cherry stock.....	Iowa.
Do.....	do.....	New York.*
Do.....	Myrobalan (plum) stock (4).....	Iowa.
Do.....	Myrobalan (plum) stock (5).....	New York.
Do.....	Nursery stock.....	Do.
Do.....	Pear stock (3).....	Iowa.
Do.....	Pear stock (2).....	New York.
Do.....	Seedlings.....	Indiana.
Argyresthia sp. (Tineidae).....	Juniperus japonica (juniper).....	District of Columbia.
Aspidiotus hederæ (ivy scale).....	Bupleurum fruticosum (hare's-ear).....	Do.
Do.....	Iris foetidissima.....	Do.
Do.....	Olea europaea (olive cuttings).....	Do.
Aspidiotus sp. (scale insect).....	Pistacia lentiscus.....	Do.
Aulacaspis rosæ (rose scale).....	Manetti rose stock.....	Iowa.
Do.....	do.....	Massachusetts.
Do.....	do.....	Ohio.
Do.....	Manetti rose stock (2).....	Pennsylvania.
Cecidomyid.....	Narcissus, var. poeticus bulbs.....	New York.*
Chalcidoid.....	Colutea arborescens (seeds).....	Pennsylvania.*
Chrysomphalus dictyospermi (scale insect).....	Citrus sinensis (orange).....	Florida.
Diaspis carueli (scale insect).....	Juniperus argentea.....	District of Columbia.
Do.....	Juniperus japonica fruit.....	Do.
Emphytus cinctus (sawfly).....	Flower seedlings.....	Connecticut.
Do.....	Manetti rose stock (4).....	Do.
Do.....	Manetti rose stock (2).....	Illinois.
Do.....	do.....	Indiana.
Do.....	Manetti rose stock.....	Massachusetts.
Do.....	Manetti rose stock (2).....	Pennsylvania.
Eumerus strigatus (lesser bulb fly).....	Narcissus bulbs.....	New York.*
Euproctis chrysorrhoea (brown-tail moth nests).....	Apple stock.....	Connecticut.
Do.....	Pear stock.....	New York.
Forficula auricularia (European earwig).....	Iris rhizomes.....	District of Columbia.
Hygeid nymph.....	Peach stock.....	New York.*
Lecanium sp. (scale insect).....	Pistacia lentiscus.....	District of Columbia.
Lepidosaphes gloverii (Glover's scale).....	Citrus sinensis (orange) (2).....	Florida.
Lepidosaphes ulmi (oyster-shell scale).....	Mespilus (medlar) cuttings.....	District of Columbia.
Do.....	Syringa vulgaris (lilac plant).....	Do.
Do.....	Syringa sp. (lilac).....	Do.
Lyctocoris campestris (Anthocoridae).....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Malachius elegans (Malachiidae).....	Rosa polyanthus (rose).....	Do.*

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
FRANCE—continued.		
Insects—Continued.		
Malacosoma neustria (European lackey moth).	Fruit seedling.	Pennsylvania.*
Do.	Plum stock.	Iowa.
Mantis religiosa (Mantidae).	Mahaleb cherry stock.	Indiana.
Merodon equestris (narcissus fly).	Narcissus bulbs var. poeticus (2).	New York.*
Merodon sp. (Syrphidae).	Narcissus bulbs var. poeticus (3).	Do.*
Myiabras sp. (Myiabridae).	Mimosa rubricaulis.	District of Columbia.
Noctuid.	Apple stock.	North Carolina.
Olethreutid.	Centaurea ragusina seed.	District of Columbia.
Do.	Tree seed.	Tennessee.
Papilio podalirius (Papilionidae).	Mahaleb cherry stock (2).	Indiana.
Do.	Mahaleb cherry stock (4).	Iowa.
Do.	Mahaleb cherry stock.	New York.*
Papilio sp. (Papilionidae).	do.	Kansas.
Parlatoria pergandii (chaff scale).	Citrus sinensis (orange).	Florida.
Procellio sp. (isopod).	Mahaleb cherry stock.	Kansas.
Pyralid.	Juglans sp. (walnut).	New York.*
Do.	Juniperus argentea.	District of Columbia.
Do.	Osyris alba.	Do.
Do.	Phoenix reclinata fruit.	Do.
Pyrausta nubilalis (European corn borer).	Broom corn.	Indiana.
Rhizoglyphus hyacinthi (bulb mite).	Grandiflora bulbs (paper white) (3).	Pennsylvania.*
Do.	Hyacinth bulbs (2).	Do.*
Do.	Narcissus bulbs (4).	New York.*
Rhizoglyphus sp. (mite).	Grandiflora bulbs (paper white).	Pennsylvania.*
Do.	Narcissus bulbs.	New York.*
Rhopalosiphum nymphaeae (aphid).	Acorus calamus.	District of Columbia.
Do.	Nymphaea plants.	Do.
Saissetia sp. (scale insect).	Olea europaea (olive cuttings).	Do.
Seturnia spinii (Saturniidae).	Fruit stocks.	New York.*
Sciara sp. (Mycetophilidae).	Narcissus bulbs (2).	Do.*
Tineid larva.	Eucalyptus seeds.	Pennsylvania.*
Tineid.	Juniperus japonica fruit.	District of Columbia.
Diseases:		
Bacterium tumefaciens.	Malus (apple) stock.	Pennsylvania.
Do.	Pyrus (pear).	Iowa.
Do.	Pyrus (pear) stock.	Pennsylvania.
Do.	Rosa (Manetti rose) stock.	Connecticut.
Do.	Rosa (Manetti rose) stock (2).	Indiana.
Do.	Rosa (Manetti rose) stock.	Iowa.
Do.	do.	New York.*
Do.	Rosa (Manetti rose) stock (2).	Pennsylvania.
Diplodia mori.	Morus alba (mulberry).	Washington.*
Tubercularia sp.	do.	Do.*
Uromyces caryophyllinus.	Dianthus caryophyllus.	District of Columbia.
Vermicularia liliacearum.	Iris (2).	Do.
GERMANY.		
Insects:		
Aleyrodes sp. (whitefly).	Azalea.	Florida.
Aspidiotus hederæ (ivy scale).	Palm.	New York.*
Blaniulus guttulatus (myriopod).	In soil about plants.	Do.*
Brachyrhinus sulcatus (Curculionidae).	In soil about roots of rose.	Do.*
Caecilioides acicula (Mollusca).	In soil about plants.	Do.*
Ceratopogon sp. (Chironomidae).	Lily of the valley pips.	Pennsylvania.*
Chionaspis salicis (scale insect).	Linden twig.	New York.*
Chrysomphalus personatus (masked scale).	Nidularium triste.	District of Columbia.
Chrysomphalus sp. (scale insect).	Aspidistra.	New York.*
Coccus hesperidum (soft brown scale).	Myrtle.	Do.*
Do.	Palm.	Do.*
Diatpis echinocacti opuntiae (scale insect).	Cactus plant.	District of Columbia.
Do.	Opuntia sp.	Do.
Diaspis sp. (scale insect).	Nidularium triste.	Do.
Diploilulus luscus (myriopod).	In soil about plants.	New York.*

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
GERMANY—continued.		
Insects—Continued.		
Eriococcus coccineus (scale insect).....	Cactus sp.....	District of Columbia.
Eucalymnatus tessellatus (tessellated scale)...	Unknown.....	Do.
Hemichionaspis aspidistrae (aspidistra scale)...	Aspidistra (2).....	New York.*
Idiopterus sp. (aphid).....	Hydrangea.....	Do.*
Do.....	do.....	Pennsylvania.*
Do.....	Unknown.....	District of Columbia.
Julus sp. (myriopod).....	Lily of the valley pips.....	Pennsylvania.*
Lecanium corni (scale insect).....	Grossularia sp. (gooseberry).....	New York.*
Lepidosaphes beckii (purple scale).....	Citrus sinensis (orange).....	Florida.
Lepidosaphes gloverii (Glover's scale).....	do.....	Do.
Macrosiphum sp. (aphid).....	Chrysanthemum.....	New York.*
Myrmica ruginodis (ant).....	In soil about roots of huckleberry plants.....	Do.*
Parlatoria pergandii (chaff scale).....	Citrus sinensis (orange).....	Florida.
Parlatoria pseudaspidiotus (scale insect).....	Vanda teres.....	District of Columbia.
Plusia iota (Noctuidae).....	Berberis vulgaris (barberry).....	New York.*
Porcellio sp. (isopod).....	Undetermined root, with soil.....	Do.*
Do.....	In soil about plants.....	Do.*
Pseudococcus citri (citrus mealybug).....	Anacampseros Telephiastrum.....	District of Columbia.
Do.....	Cactus.....	Do.
Do.....	Coleus.....	New York.*
Pseudococcus maritimus (mealybug).....	Begonia.....	District of Columbia.
Pseudococcus sp. (mealybug).....	Camellia.....	New York.*
Do.....	Ricinus sp. (castor bean plant).....	Do.*
Do.....	Vanda teres.....	District of Columbia.
Do.....	Unknown.....	Do.
Pulvinaria sp. (scale insect).....	Camellia.....	New York.*
Rhizoglyphus hyacinthi (bulb mite).....	Hyacinth (potted).....	Pennsylvania.*
Do.....	In soil about plants.....	New York.*
Rhizoglyphus sp. (mite).....	Aloe variegata.....	District of Columbia.
Saissetia hemisphaerica (hemispherical scale).....	Ricinus sp. (castor bean plant).....	New York.*
Saissetia oleae (black scale).....	Unknown.....	District of Columbia.
Sciara sp. (Mycetophilidae).....	Undetermined root, with soil.....	New York.*
Syrphus sp. (Syrphidae).....	Ricinus sp. (castor bean plant).....	Do.*
Tenebrio molitor (yellow mealworm).....	Ornithopus sativus seed.....	District of Columbia.
Diseases:		
Actinomyces scabies.....	Solanum tuberosum (Irish potato) (3).....	Florida.
(Bacterial rot).....	Solanum tuberosum (Irish potato).....	District of Columbia.
Fusarium sp.....	do.....	Do.
Do.....	do.....	Florida.
Rhizoctonia solani.....	do.....	District of Columbia.
GRAND CAYMAN.		
Insect:		
Targionia hartii (scale insect).....	Dioscorea sp. (yam).....	Florida.
GREECE.		
Insect:		
Aspidiotus hederæ (ivy scale).....	Ceratonia siliqua-carob.....	District of Columbia.
GUAM.		
Insects:		
Araecerus fasciculatus (coffee-bean weevil)....	Pandanus seed.....	District of Columbia.
Carpophilus dimidiatus (corn sap-beetle).....	Cycas circinalis.....	Do.
Cathartus advena (foreign grain beetle).....	do.....	Do.
Cryptorhynchid.....	Cycas circina.....	California.
Ereunetis sp. (Tineidae).....	Cocos nucifera (coconut).....	Do.
Lepidosaphes mcgregori (scale insect).....	do.....	Do.
Lophocateres pusillus (Ostomidae).....	Pandanus seed.....	District of Columbia.
Pyralid.....	Cycas circinalis seed.....	Do.
Tenebrio molitor (yellow mealworm).....	do.....	Do.
Tmaliodes pusillus (Curculionidae).....	do.....	Do.
Tribolium ferrugineum (rust-red flour beetle)...	Cycas circinalis.....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
GUATEMALA.		
Insects:		
Arctiid.....	Musa sp. (banana) leaf rubbish.....	Pennsylvania.*
Aspidiotus lataniae (scale insect).....	Chamaedorea nigricans (palm) seed.....	District of Columbia.
Do.....	Chamaedorea sp. (palm) seed.....	Do.
Asterolecanium aureum (scale insect).....	do.....	Do.
Camponotus planatus (ant).....	Musa sp. (banana) leaf rubbish.....	Pennsylvania.*
Carpophilus dimidiatus (corn sap-beetle).....	Persea gratissima (avocado) seeds.....	District of Columbia.
Caulophilus latinasus (broad-nosed grain weevil).....	Persea gratissima (avocado) seeds (1).....	Do.
Chrysomphalus sp. (scale insect).....	Prunus salicifolia (plum).....	Do.
Donacia cineticornis (Chrysomelidae).....	Water lily bulb (?).....	Do.
Lepidosaphes beekii (purple scale).....	Citrus sinensis (orange) (3).....	California.
Monomorium pharaonis (Pharaoh's ant).....	Orchid.....	Do.
Monomorium sp. (ant).....	Ananas sativus (pineapple) top.....	Pennsylvania.*
Pseudococcus bromeliae (pineapple mealy-bug).....	do.....	Do.*
Ripersiella sp. (scale insect).....	Orchid.....	California.
Tetramorium guineense (ant).....	do.....	District of Columbia.
Thyreocoris quadrisignatus (Cydnidae).....	Musa sp. (banana).....	Pennsylvania.*
Diseases:		
Cerebellum paspali.....	Paspalum denticulatum.....	District of Columbia.
Cladosporium.....	Paspalum paniculatum.....	Do.
Fusarium heterosporum.....	Paspalum denticulatum.....	Do.
Do.....	Paspalum plicatulum.....	Do.
HAITI.		
Insects:		
Calendra oryzae (rice weevil).....	Ipomoea batatas (sweet potato).....	Pennsylvania.*
Camponotus sp. (ant).....	Logwood.....	Do.*
Crematogaster brevispinosus (ant).....	do.....	Do.*
Cylas formicarius (sweet-potato weevil).....	Ipomoea batatas (sweet potato) (2).....	Do.*
Gryllobates sigillatus (Gryllidae).....	Ipomoea batatas (sweet potato).....	Do.*
Labia unidentata (earwig).....	do.....	Do.*
Neoponera villosa (ant).....	Logwood.....	Do.*
Noropsis sp. (Noctuidae).....	do.....	Do.*
Oxystylas zebra (Mollusca).....	do.....	Do.*
Phytonomus nigrirostris (Curculionidae).....	do.....	Do.*
Prenolepis longicornis (crazy ant).....	do.....	Do.*
Pseudococcus adonidum (long-tailed mealy-bug).....	Croton sp.....	New York.*
Pseudomyrma gracilis mexicanus (ant).....	Logwood.....	Pennsylvania.*
HAWAII.		
Insects:		
Aphis sp. (aphid).....	Areca catechu (betel palm) (2).....	California.
Araecerus fasciculatus (coffee-bean weevil).....	Unknown.....	Do.
Aspidiotus cyanophylli (scale insect).....	Cocos nucifera (coconut) (3).....	Do.
Aspidiotus cydoniae (scale insect).....	Cocos nucifera (coconut) (4).....	Do.
Aspidiotus lataniae (scale insect).....	Cocos nucifera (coconut) (7).....	Do.
Aspidiotus persearum (scale insect).....	Cocos nucifera (coconut) (2).....	Do.
Aspidiotus sp. (scale insect).....	Areca catechu (betel palm).....	Do.
Asterolecanium pustulans (pustule scale).....	Mangifera indica (mango).....	Do.
Aulacaspis rosae (rose scale).....	Rosa sp. (rose).....	Do.
Bactrocera cucurbitae (melon fruit fly).....	Cucumis sativus (cucumber) (2).....	Do.
Do.....	Lycopersicum esculentum (tomato) (3).....	Do.
Calendra oryzae (rice weevil).....	Eugenia brasiliensis (seed).....	Do.
Carpophilus mutilatus (Nitidulidae).....	Barringtonia speciosa (seed).....	Do.
Carpophilus sp. (Nitidulidae).....	Copra.....	Pennsylvania.*
Ceratitidis capitata (Mediterranean fruit fly).....	Coffea sp. (coffee) (berries) (9).....	California.
Do.....	Mangifera indica (mango).....	Do.
Do.....	Persea gratissima (avocado).....	Do.
Caryedon gonagra (Mylabridae).....	Algaroba pods.....	Do.
Chionaspis inday (scale insect).....	Cocos nucifera (coconut) (4).....	Do.
Chionaspis sp. (scale insect).....	Cocos nucifera (coconut).....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
HAWAII—continued.		
Insects—Continued.		
Chrysomphalus aonidum (Florida red scale) ..	Barringtonia speciosa	District of Columbia.
Do.....	Citrus grandis (sweet shaddock) ..	Do.
Do.....	Cocos nucifera (coconut) (30) ..	California.
Do.....	Dracaena sp. (dracena) (2) ..	Do.
Chrysomphalus aurantii (California red scale) ..	Citrus aurantifolia (lime) ..	Do.
Chrysomphalus bromeliae (scale insect)	Ananas sativus (pineapple) (2) ..	Do.
Chrysomphalus dictyospermi (scale insect) ..	Cocos nucifera (coconut) ..	Do.
Do.....	Tabag fruits ..	District of Columbia.
Chrysomphalus sp. (scale insect) ..	Areca catechu (betel palm) ..	California.
Cicada sp. (eggs) (Cicadidae) ..	Croton sp.	Do.
Coccus elongatus (long soft scale) ..	Areca catechu (betel palm) (15) ..	Do.
Do.....	Croton sp.	Do.
Do.....	Hibiscus sp. (2) ..	Do.
Coccus hesperidum (soft brown scale) ..	Nerium oleander (oleander) ..	Do.
Coccus mangiferae (scale insect) ..	Croton sp.	Do.
Do.....	Daphne ..	Do.
Do.....	Hibiscus sp.	Do.
Do.....	Ti-plant ..	Do.
Coccus viridis (coffee scale) ..	Dimorphotheca (African daisy) ..	Do.
Coccus sp. (scale insect) ..	Croton sp.	Do.
Do.....	Hibiscus sp.	Do.
Coniopteryx sp. (Coniopterygidae) ..	Rhododendron ..	District of Columbia.
Curculionid ..	Barringtonia speciosa (seed) ..	Do.
Diaspis bromeliae (scale insect) ..	Ananas sativus (pineapple) (51) ..	California.
Do.....	Cocos nucifera (coconut) ..	Do.
Diocalandra taitensis (Tahiti coconut weevil) ..	Cocos nucifera (coconut) (2) ..	Do.
Do.....	Cocos nucifera (coconut) ..	Hawaii.
Ereunetis flavistriata (sugar-cane bud moth) ..	Cocos nucifera (coconut) (6) ..	California.
Ereunetis sp. (Tineidae) ..	Cocos nucifera (coconut) ..	Do.
Helionia rostrata (Mollusca) ..	Musa sp. (banana) ..	Pennsylvania.*
Hemichionaspis aspidistrae (aspidistra scale) ..	Citrus sinensis (orange) ..	California.
Do.....	Cocos nucifera (coconut) ..	Do.
Do.....	Ti-plant ..	Do.
Hemichionaspis minor (scale insect) ..	Cocos nucifera (coconut) (29) ..	Do.
Do.....	Dracaena sp. (dracena) ..	Do.
Do.....	Gum leaves ..	Do.
Hemichionaspis sp. (scale insect) ..	Mangifera indica (mango) ..	District of Columbia.
Howardia biclavus (mining scale) ..	Hibiscus sp. (5) ..	California.
Hypomocoma sp. (Diplosaridae) ..	Cocos nucifera (coconut) (5) ..	Do.
Julus sp. (myriopod) ..	Hibiscus sp.	Do.
Lepidosaphes auriculata (scale insect) ..	Croton sp.	Do.
Lepidosaphes beckii (purple scale) ..	Citrus sinensis (orange) (2) ..	Do.
Lepidosaphes sp. (scale insect) ..	Mangifera indica (mango) ..	District of Columbia.
Monomorium pharaonis (Pharaoh's ant) ..	Cocos nucifera (coconut) ..	California.
Mylabris limbatus (Mylabridae) ..	Assorted legume seed ..	Do.
Mylabris prosopis (Mylabridae) ..	Mesquite seed ..	Do.
Mylabris pruininus (Mylabridae) ..	Sesbania sesban ..	District of Columbia.
Mylabris sallei (Mylabridae) ..	Algaroba pods ..	California.
Mylabris sp. (Mylabridae) ..	Seeds (for necklace) ..	Do.
Do.....	Seeds (2) ..	Do.
Orthezia insignis (scale insect) ..	Lantana ..	Do.
Pachymerus gonagra (Mylabridae) ..	Cassia nodosa ..	District of Columbia.
Parlatoria proteus (scale insect) ..	Croton sp.	California.
Parlatoria zizyphi (scale insect) ..	Citrus aurantifolia (lime) ..	Do.
Pectinophora gossypiella (pink bollworm) ..	Gossypium sp. (cotton seed) ..	Do.
Pheidole megacephala (ant) ..	Lantana ..	Do.
Pheidole sp. (ant) ..	Hibiscus sp.	Do.
Phenacaspis eugeniae (scale insect) ..	Cocos nucifera (coconut) ..	Do.
Do.....	Nerium oleander (oleander) ..	Do.
Phenacaspis sp. (scale insect) ..	Areca catechu (betel palm) ..	Do.
Do.....	Barringtonia speciosa ..	District of Columbia.
Do.....	Cocos nucifera (coconut) ..	California.
Prenolepis sp. (ant) ..	Cocos nucifera (coconut) (3) ..	Do.
Do.....	Croton sp.	Do.
Do.....	Panax ..	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
HAWAII—continued.		
Insects—Continued.		
<i>Pseudaonidia clavigera</i> (scale insect).....	<i>Castanea javanica</i>	District of Columbia.
Do.....	<i>Hibiscus</i> sp. (5).....	California.
Do.....	<i>Hibiscus</i> sp. (3).....	District of Columbia.
<i>Pseudococcus bromeliae</i> (pineapple mealybug).....	<i>Ananas sativus</i> (pineapple) (53).....	California.
<i>Pseudococcus citri</i> (citrus mealybug).....	<i>Croton</i> sp.....	Do.
<i>Pseudococcus virgatus</i> (mealybug).....	<i>Areca catechu</i> (betel palm) (2).....	Do.
<i>Pseudococcus</i> sp. (mealybug).....	<i>Citrus grandis</i> (grapefruit).....	District of Columbia.
Do.....	<i>Cocos nucifera</i> (coconut).....	California.
Do.....	<i>Dracaena</i> sp. (dracena).....	Do.
<i>Rhabdocnemis obscurus</i> (Hawaiian sugar-cane borer).....	<i>Saccharum officinarum</i> (sugar-cane) (2) ..	Do.
<i>Ripersia palmarum</i> (scale insect).....	<i>Cocos nucifera</i> (coconut) (14).....	Do.
<i>Saissetia nigra</i> (scale insect).....	<i>Areca catechu</i> (betel palm) (3).....	Do.
Do.....	<i>Hibiscus</i> sp. (17).....	Do.
Do.....	<i>Musa</i> sp. (banana).....	Do.
<i>Sciara</i> sp. (Mycetophilidae).....	<i>Barringtonia speciosa</i> (seed).....	District of Columbia.
<i>Sternochetus mangiferae</i> (mango weevil).....	<i>Mangifera indica</i> (mango) (2).....	California.
<i>Teleonemia subfasciata</i> (Tingididae).....	<i>Lantana</i>	Do.
<i>Tineid</i>	<i>Barringtonia speciosa</i> (2).....	District of Columbia.
Do.....	<i>Musa</i> sp. (banana).....	Do.
Diseases:		
<i>Cladosporium citri</i>	<i>Citrus grandis</i> (grapefruit).....	Pennsylvania.*
<i>Gloeosporium musarum</i>	<i>Musa</i> sp. (banana).....	District of Columbia.
<i>Melanconium sacchari</i>	<i>Saccharum officinarum</i> (sugar-cane) (2) ..	California.
<i>Thielavia paradoxa</i>	<i>Saccharum officinarum</i> (sugar-cane).....	Do.
HOLLAND.		
Insects:		
<i>Anthocorid</i>	<i>Tulip</i> (bulbs) (2).....	Pennsylvania.*
<i>Anuraphis tulipae</i> (aphid).....	<i>Iris</i> (bulbs) (5).....	District of Columbia.
<i>Anthomyid</i>	<i>Hyacinth</i> (bulbs).....	Pennsylvania.*
<i>Aspidiotus hederæ</i> (ivy scale).....	<i>Palm</i>	Do.*
<i>Aulacaspis rosæ</i> (rose scale).....	<i>Manetti rose stock</i>	Ohio.
<i>Brachyrhinus sulcatus</i> (Otiorhynchidae).....	<i>Astilbe</i>	District of Columbia.
<i>Cathartus advena</i> (foreign grain beetle).....	<i>Bulbs</i>	Pennsylvania.*
Do.....	do.....	Washington.*
Do.....	In packing for hyacinth bulbs.....	District of Columbia.
Do.....	<i>Narcissus</i> (bulbs).....	Maryland.*
Do.....	do.....	Pennsylvania.*
<i>Carpophilus</i> sp. (Nitidulidae).....	<i>Scilla</i> (bulbs).....	District of Columbia.
<i>Cecidomyid</i>	<i>Crocus</i> sp. (bulbs) (2).....	Pennsylvania.*
Do.....	<i>Hyacinth</i> (bulbs).....	Do.*
Do.....	<i>Narcissus</i> (bulbs) (5).....	Do.*
<i>Corymbites aeneus</i> (Elateridae).....	<i>Narcissus</i> (bulbs).....	Do.*
<i>Emphytus cinctus</i> (sawfly).....	<i>Manetti rose stock</i> (5).....	Connecticut.
Do.....	<i>Manetti rose stock</i>	Illinois.
Do.....	do.....	New Jersey.
Do.....	do.....	Pennsylvania.*
<i>Endrosis</i> sp. (Blastobasidae).....	<i>Hyacinth</i> (bulbs).....	District of Columbia.
<i>Ephestia xanthotricha</i> (Pyralidae).....	In packing for crocus bulbs.....	Pennsylvania.*
<i>Ephestia</i> sp. (Pyralidae).....	In packing for bulbs.....	Do.*
<i>Eumerus strigatus</i> (lesser bulb fly).....	<i>Bulbs</i>	Do.*
Do.....	<i>Narcissus</i> (bulbs).....	District of Columbia.
Do.....	do.....	Maryland.*
Do.....	<i>Narcissus</i> (bulbs) (9).....	New York.*
Do.....	<i>Narcissus</i> (bulbs) (13).....	Pennsylvania.*
<i>Forficula auricularia</i> (European earwig).....	<i>Bulbs</i>	Do.*
Do.....	<i>Tulip</i> (bulbs).....	Maryland.*
<i>Gibbium psyllodes</i> (Ptinidae).....	In packing.....	District of Columbia.
<i>Hepialus</i> sp. (Hepialidae).....	<i>Paonia</i> sp. (peony).....	Do.
<i>Julus</i> sp. (myriopod).....	In bulb case.....	Pennsylvania.*
Do.....	<i>Narcissus</i> (bulbs).....	Do.*
<i>Laemophloeus ferrugineus</i> (Cucujidae).....	In packing for hyacinth bulbs.....	District of Columbia.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
HOLLAND—continued.		
Insects—Continued.		
Merodon equestris (narcissus fly).....	Narcissus (bulbs) (5).....	New York.*
Do.....	Narcissus (bulbs) (2).....	Pennsylvania.*
Merodon sp. (Syrphidae).....	Narcissus (bulbs).....	District of Columbia.
Do.....	do.....	Maryland.*
Do.....	Narcissus (bulbs) (4).....	New York.*
Do.....	Narcissus (bulbs) (7).....	Pennsylvania.*
Mycetophilid.....	Gladiolus (bulbs).....	District of Columbia.
Do.....	Iris (bulbs).....	Do.
Noctuid.....	Narcissus (bulbs).....	New York.*
Oryzaephilus surinamensis (saw-toothed grain beetle).....	Crocus (bulbs).....	Pennsylvania.*
Do.....	Hyacinth (bulbs).....	Do.*
Do.....	Narcissus (bulbs).....	Do.*
Parlatoria pergandii (chaff scale).....	Citrus aurantifolia (lime).....	Florida.
Plodia sp. (Pyrilidae).....	In packing.....	Pennsylvania.*
Porcellio sp. (isopod).....	In bulb case.....	Do.*
Do.....	Tulip (bulbs).....	Do.*
Prenolepis longicornis (crazy ant).....	In case with iris bulbs.....	District of Columbia.
Pyrilid.....	In packing for bulbs (2).....	Pennsylvania.*
Do.....	Narcissus (bulbs) (2).....	Do.*
Pyralis farinalis (Pyrilidae).....	Bulb.....	Maryland.*
Rhizoglyphus hyacinthi (bulb mite).....	Bulbs (3).....	Pennsylvania.*
Do.....	Camassia.....	District of Columbia.
Do.....	Colchicum autumnale.....	Do.
Do.....	Crocus (bulbs) (6).....	Pennsylvania.*
Do.....	Gladiolus (bulbs).....	District of Columbia.
Do.....	Hyacinth (bulbs) (12).....	Pennsylvania.*
Do.....	Hyacinth (bulbs) (5).....	Maryland.*
Do.....	Iris (bulbs) (2).....	District of Columbia.
Do.....	Narcissus (bulbs).....	Do.
Do.....	Narcissus (bulbs) (2).....	Maryland.*
Do.....	Narcissus (bulbs) (18).....	New York.*
Do.....	do.....	Pennsylvania.*
Do.....	Scilla (bulbs).....	District of Columbia.
Do.....	Tigridia pavonia (bulbs).....	Do.
Do.....	Tulip (bulbs) (12).....	Pennsylvania.*
Rhizoglyphus sp. (mite).....	Crocus sp. (bulbs).....	Do.*
Do.....	Hyacinth (bulbs).....	Do.*
Do.....	Iris (bulbs) (2).....	District of Columbia.
Do.....	Narcissus (bulbs).....	New York.*
Do.....	Tulip (bulbs).....	Pennsylvania.*
Scatopse sp. (Bibionidae).....	Bulbs.....	Washington.*
Do.....	Gladiolus (bulbs).....	District of Columbia.
Do.....	Hyacinth (bulbs) (3).....	Pennsylvania.*
Sciara sp. (Mycetophilidae).....	Bulbs.....	Do.*
Do.....	Iris (bulbs).....	District of Columbia.
Do.....	Narcissus (bulbs).....	Pennsylvania.*
Do.....	do.....	Maryland.*
Do.....	Narcissus (bulbs) (8).....	New York.*
Do.....	Tulip (bulbs).....	Pennsylvania.*
Sitodrepa panicea (drug-store beetle).....	Coriander (seed).....	New York.*
Sitona flavescens (Curculionidae).....	In box with Taxus plants.....	District of Columbia.
Syrphid.....	Narcissus (bulbs).....	New York.*
Tenebrio molitor (yellow mealworm).....	In box with gladiolus bulbs.....	District of Columbia.
Tetramorium caespitum (ant).....	Narcissus (bulbs).....	Pennsylvania.*
Tribolium confusum (confused flour beetle).....	do.....	Do.*
Tribolium sp. (Tenebrionidae).....	Hyacinth (bulbs).....	Maryland.*
Do.....	do.....	Pennsylvania.*
Diseases:		
Actinomyces scabies.....	Solanum tuberosum (Irish potato).....	Do.*
Do.....	do.....	Florida.
Bacterium tumefaciens.....	Rosa (Manetti) (2).....	Connecticut.
Botrytis cinerea.....	Papaver orientalis.....	District of Columbia.
Do.....	Rhododendron.....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
HOLLAND—continued.		
Diseases—Continued.		
Botrytis parasitica.....	Narcissus (bulbs).....	California.*
Do.....	Tulip (bulbs).....	Do.*
Do.....	do.....	New York.
Botrytis tulipae.....	do.....	Do.
HONDURAS.		
Insects:		
Aspidiotus subsimilis anonae (scale insect)...	Annona muricata (sour sop).....	Florida.
Aspidiotus sp. (scale insect).....	Cocos nucifera (coconut).....	Do.
Diatraea sp. (Pyralidae).....	Saccharum officinarum (sugar-cane).....	Do.
Metamasius sp. (Curculionidae).....	Musa sp. (banana).....	Do.
Pseudococcus bromeliae (pineapple mealy-bug).	Ananas sativus (pineapple) (2).....	Do.
Saissetia oleae (black scale).....	Unknown.....	Do.
HUNGARY.		
Insects:		
Pyrausta nubilalis (European corn borer).....	Broom corn (2).....	New York.*
INDIA.		
Insects:		
Araecerus fasciculatus (coffee-bean weevil)...	Nutmeg.....	California.
Attageus sp. (Dermestidae).....	Lens sp. (lentils).....	Do.
Calendra bryzae (rice weevil).....	do.....	Do.
Do.....	Sorghum (seed).....	District of Columbia.
Caryedon gonagra (Mylabridae).....	Tamarindus (pods).....	California.
Diaspis boisduvalii (Boisduval's scale).....	Fan-leaf palm.....	Massachusetts.*
Epochra canadensis (currant or gooseberry fruit fly).	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Hemichionaspis aspidistrae (aspidistra scale)...	Unknown.....	Florida.
Melania lirata (Mollusca).....	In soil with palms.....	Pennsylvania.*
Melanoides tuberculata (Mollusca).....	do.....	Do.*
Mylabris chinensis (Mylabridae).....	Beans.....	California.
Do.....	Lens esculenta.....	District of Columbia.
Do.....	Lens sp. (lentils).....	California.
Opeas sp. (Mollusca).....	In soil with palms.....	Pennsylvania.*
Oryzaephilus surinamensis (saw-toothed grain beetle).	Anacardium occidentale (nuts).....	Louisiana.*
Do.....	Ziziphus.....	District of Columbia.
Phthorimaea operculella (potato tuber moth)...	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Pyrausta nubilalis (European corn borer).....	Broom corn.....	New York.*
Targionia hartii (scale insect).....	Dioscorea alata.....	District of Columbia.
Do.....	do.....	Massachusetts.*
Tribolium confusum (confused flour beetle)...	Beans.....	California.
Do.....	Unknown.....	Louisiana.*
Tribolium ferrugineum (rust-red flour beetle)...	Melon seed.....	District of Columbia.
Vivipara sp. (Mollusca).....	In soil with palms.....	Pennsylvania.*
IRELAND.		
Insects:		
Chironomid.....	In soil.....	Pennsylvania.*
Cryptos hortensis (myriopod).....	do.....	Do.*
• Emphytus cinctus (sawfly).....	Manetti rose stock (3).....	Indiana.
Do.....	Manetti rose stock (4).....	Pennsylvania.
Do.....	Manetti rose stock.....	Do.*
Eriosoma sp. (aphid).....	Pyrus magdeburgensis.....	District of Columbia.
Diseases:		
Actinomyces scabies.....	Solanum tuberosum (Irish potato).....	Florida.
Bacterium tumefaciens.....	Rosa (manetti).....	New York.*
Do.....	do.....	Pennsylvania.*
Do.....	do.....	Indiana.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
ISLE OF PINES.		
Insects:		
Aspidiotus sub similis anonae (scale insect)...	Unknown.....	Florida.
Chrysomphalus aonidum (Florida red scale)...	Garcinia morella.....	Do.
Hemichionaspis sp. (scale insect).....	Bobug tree.....	Do.
Hypothenemus sp. (Scolytidae).....	Moringa oleifera (horse-radish tree).....	Do.
Lepidosaphes beckii (purple scale).....	Citrus grandis (grapefruit).....	Do.
Do.....	Citrus nobilis (tangerine) (2).....	Do.
Do.....	Citrus sinensis (orange).....	Do.
Do.....	Citrus sp. (3).....	Do.
Parlatoria pergandii (chaff scale).....	Citrus grandis (grapefruit).....	Do.
Do.....	Citrus nobilis (tangerine) (2).....	Do.
Do.....	Garcinia morella.....	District of Columbia.
Petalium bistriatum (Anobiidae).....	Moringa oleifera (horse-radish tree).....	Florida.
Pseudococcus adonidum (long-tailed mealy-bug).....	Bobug tree.....	Do.
Saissetia oleae (black scale).....	Citrus grandis (grapefruit).....	Do.
Do.....	Citrus sinensis (orange).....	Do.
ITALY.		
Insects:		
Aphanus quadratus (Lygaeidae).....	Castanea sp.....	District of Columbia.
Aphis sp. (aphid).....	Bouquet of flowers.....	Pennsylvania.*
Aspidiotus hederæ (ivy scale).....	Acuba japonica.....	New York.*
Do.....	Citrus limonia (lemon) (7).....	California.
Do.....	Citrus limonia (lemon).....	Texas.*
Do.....	Citrus limonia (lemon) (2).....	Pennsylvania.*
Do.....	Citrus sp.....	California.
Do.....	Hibiscus sp.....	New York.*
Do.....	Nerium oleander (oleander).....	Do.*
Do.....	Palm.....	Do.*
Do.....	Unknown (2).....	Do.*
Aspidiotus sp. (scale insect).....	Camellia sp.....	Do.*
Aulacaspis rosæ (rose scale).....	Rosa sp. (rose) (cuttings) (5).....	Do.*
Balaninus sp. (Curculionidae).....	Castanea sp. (2).....	California.
Cerataphis lataniae (palm aphid).....	Palm.....	Pennsylvania.*
Chionaspis euonymi (euonymus scale).....	Euonymus sp. (2).....	New York.*
Do.....	Euonymus sp.....	Pennsylvania.*
Chrysomphalus aurantii (California red scale).....	Citrus limonia (lemon).....	California.
Do.....	Rosa sp. (rose).....	New York.*
Chrysomphalus dictyospermi (scale insect).....	Agave sp.....	Pennsylvania.*
Do.....	Citrus limonia (lemon) (4).....	California.
Do.....	Citrus sp.....	Do.
Do.....	Eriobotrya japonica (loquat).....	New York.*
Do.....	Laurus nobilis (bay).....	Do.*
Do.....	Palm.....	Do.*
Chrysomphalus dictyospermi var. pinnulifera (scale insect).....	Euonymus sp. (euonymus).....	Pennsylvania.*
Do.....	Rosa sp. (rose).....	New York.*
Coccus hesperidum (soft brown scale).....	Citrus sinensis (orange).....	Florida.
Do.....	Laurus nobilis (bay) (2).....	Pennsylvania.*
Coccus sp. (scale insect).....	Tecomaria capensis (cape honeysuckle).....	Do.*
Epidiaspis piricola (European pear scale).....	Pyrus communis (pear) (twigs).....	New York.*
Eriococcus araucariae (scale insect).....	Araucaria excelsa (Norfolk Island pine).....	Pennsylvania.*
Geometrid (cocoon).....	Unknown.....	New York.*
Helicella striata (Mollusca).....	In soil.....	Pennsylvania.*
Helicella sp. (Mollusca).....	Unknown.....	Do.*
Hylemyia sp. (Anthomyidae).....	Bouquet of flowers.....	Do.*
Icerya purchasi (cottony cushion scale).....	Acuba japonica.....	New York.*
Do.....	Rosa sp. (rose).....	Do.*
Lathridiid.....	Malus sylvestris (apple).....	Pennsylvania.*
Lepidosaphes beckii (purple scale).....	Citrus limonia (lemon) (6).....	California.
Do.....	Citrus limonia (lemon) (2).....	Pennsylvania.*
Do.....	Citrus sp.....	California.
Lepidosaphes ficus (scale insect).....	Ficus sp. (fig).....	Florida.
Mylabris rufimanus (Mylabridae).....	Vicia faba (farva bean).....	Pennsylvania.*

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
ITALY—continued.		
Insects—Continued.		
<i>Myiobris rufimanus</i> var. <i>velutinus</i> (Mylabridae).	<i>Vicia faba</i> (farva bean).....	Louisiana.*
<i>Parlatoria calianthina</i> (scale insect).....	<i>Crisomelo monica</i>	District of Columbia.
<i>Parlatoria pergandii</i> (chaff scale).....	<i>Citrus limonia</i> (lemon) (3).....	California.
Do.....	<i>Citrus</i> sp.....	Do.
<i>Parlatoria pergandii camelliae</i> (scale insect).....	<i>Camellia</i> sp.....	New York.*
Do.....	Unknown.....	Do.*
<i>Parlatoria ziziphus</i> (scale insect).....	<i>Citrus limonia</i> (lemon) (6).....	California.
<i>Pseudococcus citri</i> (citrus mealybug).....	Bouquet of flowers.....	Pennsylvania.*
<i>Pseudococcus</i> sp. (mealybug).....	Chayote.....	New York.*
<i>Saissetia</i> sp. (scale insect).....	<i>Nerium oleander</i> (oleander).....	Do.*
<i>Tortricid</i>	<i>Laurus nobilis</i> (bay).....	Pennsylvania.*
Disease:		
<i>Bacterium tumefaciens</i>	<i>Rosa</i> (Manetti).....	Iowa.
JAMAICA.		
Insects:		
<i>Alaus oculatus</i> (Elateridae).....	<i>Musa</i> sp. (banana).....	Maryland.*
<i>Aleurocanthus woglumi</i> (citrus black fly).....	<i>Carica papaya</i> (papaya).....	New York.*
Do.....	<i>Citrus aurantifolia</i> (lime).....	Do.*
Do.....	<i>Citrus grandis</i> (grapefruit).....	Florida.
Do.....	<i>Citrus sinensis</i> (orange).....	Maryland.*
Do.....	<i>Mangifera indica</i> (mango).....	New York.*
Aleyrodid.....	<i>Ananas sativus</i> (pineapple).....	Pennsylvania.*
<i>Anastrepha fraterculus</i> (West Indian fruit fly).....	<i>Mangifera indica</i> (mango) (2).....	New York.*
<i>Anastrepha</i> sp. (Trypetidae).....	<i>Mangifera indica</i> (mango) (6).....	Do.*
Do.....	<i>Mangifera indica</i> (mango).....	Do.*
Do.....	do.....	Pennsylvania.*
Do.....	Unknown.....	New York.*
<i>Anisobasis annulipes</i> (earwig).....	<i>Musa</i> sp. (banana).....	Maryland.*
Anthomyid.....	Red peppers.....	Pennsylvania.*
<i>Aspidiotus hederæ</i> (ivy scale).....	<i>Citrus aurantifolia</i> (lime).....	Maryland.*
<i>Aspidiotus lataniae</i> (scale insect).....	<i>Citrus grandis</i> (grapefruit).....	New York.*
<i>Aspidiotus palmarum</i> (scale insect).....	Camphor leaves.....	Do.*
<i>Aulacaspis pentagona</i> (West Indian peach scale).....	<i>Carica papaya</i> (papaya) (2).....	Do.*
Do.....	<i>Mangifera indica</i> (mango).....	Do.*
Do.....	Unknown.....	Do.*
<i>Calendra linearis</i> (Curculionidae).....	<i>Tamarindus</i> sp. (tamarind).....	Do.*
<i>Camponotus hannani</i> subsp. <i>willardi</i> (ant).....	<i>Musa</i> sp. (banana).....	Maryland.*
<i>Camponotus maculatus</i> (ant).....	do.....	Pennsylvania.*
<i>Camponotus</i> sp. (ant).....	do.....	Do.*
<i>Carpophilus</i> sp. (Nitidulidae).....	Miscellaneous fruits.....	New York.*
<i>Caryoborus tamarindi</i> (Mylabridae).....	<i>Tamarindus</i> sp. (tamarind) (2).....	Do.*
<i>Caryoborus</i> sp. (Mylabridae).....	<i>Tamarindus</i> sp. (tamarind).....	Do.*
<i>Cephalalges</i> sp. (Curculionidae).....	<i>Musa</i> sp. (banana).....	Pennsylvania.*
<i>Cepolis gossi</i> (Mollusca).....	do.....	Do.*
<i>Cepolis nemoraloides</i> (Mollusca).....	do.....	Do.*
<i>Chionaspis citri</i> (orange Chionaspis).....	<i>Citrus grandis</i> (grapefruit).....	Florida.
Do.....	<i>Citrus sinensis</i> (orange).....	Maryland.*
Chironomid.....	<i>Ananas sativus</i> (pineapple).....	Pennsylvania.*
<i>Chrysomphalus aonidum</i> (Florida red scale).....	Camphor leaves.....	New York.*
Do.....	<i>Mangifera indica</i> (mango).....	Do.*
Do.....	<i>Musa</i> sp. (banana).....	Florida.
<i>Chrysomphalus aurantii</i> (California red scale).....	<i>Mangifera indica</i> (mango).....	New York.*
<i>Chrysomphalus bromeliae</i> (scale insect).....	<i>Ananas sativus</i> (pineapple).....	Pennsylvania.*
<i>Chrysomphalus dictyospermi</i> (scale insect).....	<i>Citrus grandis</i> (grapefruit).....	Do.*
Do.....	<i>Mangifera indica</i> (mango) (3).....	New York.*
<i>Coccotrypes</i> sp. (Scolytidae).....	<i>Oreodoxa regia</i> (royal palm).....	District of Columbia.
<i>Coccus hesperidum</i> (soft brown scale).....	<i>Ananas sativus</i> (pineapple).....	Pennsylvania.*
Do.....	<i>Carica papaya</i> (papaya).....	New York.*
<i>Coccus mangiferae</i> (scale insect).....	<i>Cinnamomum zeylanicum</i> (cinnamon tree).....	Do.*
<i>Coccus</i> sp. (scale insect).....	<i>Ixora</i> sp. (?).....	Pennsylvania.*

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
JAMAICA—continued.		
Insects—Continued.		
Conotrachelus sp. (Curculionidae).....	Dioscorea sp. (yam).....	Pennsylvania.*
Crematogaster sp. (ant).....	Musa sp. (banana) (2).....	Do.*
Curculionid.....	Dioscorea sp. (yam).....	Do.*
Dialeurodes citrifolii (cloudy-winged whitefly)	Citrus sp.....	Do.*
Diaspis boisduvali (Boisduval's scale).....	Cocos nucifera (coconut) (2).....	Do.*
Emporius signatus (Oucujidae).....	Musa sp. (banana).....	Do.*
Epochra canadensis (current or gooseberry fruit fly).	Mangifera indica (mango).....	Do.*
Forcipomyia cilipes (Chironomidae).....	In soil with plant cuttings).....	Do.*
Gelechioid.....	Musa sp. (banana).....	Do.*
Howardia biclavus (mining scale).....	Citrus sp.....	District of Columbia.
Do.....	do.....	Pennsylvania.*
Hypothenemus sp. (Scolytidae).....	Musa sp. (banana).....	Do.*
Ischnaspis longirostris (thread scale).....	Coffea robusta.....	District of Columbia.
Do.....	Livistona chinensis (seed).....	Pennsylvania.*
Do.....	Mangifera indica (mango) (3).....	New York.*
Labia curvicauda (earwig).....	Musa sp. (banana).....	Pennsylvania.*
Lasiophilus fraternus (Anthracoridæ).....	Ananas sativus (pineapple).....	Do.*
Lepidosaphes beckii (purple scale).....	Citrus aurantifolia (lime).....	Maryland.*
Do.....	Citrus aurantifolia (lime) (4).....	Pennsylvania.*
Do.....	Citrus grandis (grapefruit).....	Florida.
Do.....	Citrus limonia (lemon).....	Pennsylvania.*
Do.....	Citrus nobilis (tangerine) (3).....	New York.*
Do.....	Citrus sinensis (orange).....	Maryland.*
Do.....	Citrus sinensis (orange) (6).....	New York.*
Do.....	Citrus sinensis (orange) (5).....	Pennsylvania.*
Do.....	Citrus sp.....	District of Columbia.
Do.....	Citrus sp. (4).....	Pennsylvania.*
Do.....	Unknown.....	Maryland.*
Lepidosaphes sp. (scale insect).....	Mangifera indica (mango).....	New York.*
Do.....	Unknown.....	Pennsylvania.*
Lepysma sp. (Thysanura).....	Miscellaneous fruits.....	New York.*
Monomorium destructor (ant).....	Ananas sativus (pineapple) (2).....	Pennsylvania.*
Monomorium pharaonis (Pharaoh's ant).....	Mangifera indica (mango).....	Do.*
Mycetophilid (larvæ).....	Ananas sativus (pineapple).....	Do.*
Myzus sp. (aphid).....	Boquet of flowers.....	Do.*
Noctuid.....	Musa sp. (banana).....	Do.*
Olethreutid.....	Cola acuminata (cola nut).....	New York.*
Parlatoria crotonis (scale insect).....	Croton sp.....	Maryland.*
Do.....	do.....	Pennsylvania.*
Parlatoria proteus (scale insect).....	Mangifera indica (mango) (2).....	New York.*
Pheidole sp. (ant).....	Musa sp. (banana) (2).....	Pennsylvania.*
Do.....	Unknown.....	Do.*
Phenacoccus sp. (scale insect).....	do.....	Do.*
Pinnaspis buxi (scale insect).....	Livistona chinensis (seed).....	Do.*
Do.....	Oreodoxa regia (royal palm).....	District of Columbia.
Do.....	do.....	Pennsylvania.*
Do.....	Pritchardia pacifica.....	District of Columbia.
Pleurodonte sloaneana (Mollusca).....	Musa sp. (banana).....	Pennsylvania.*
Plodia interpunctella (Indian meal moth).....	Tamarindus sp. (tamarind).....	New York.*
Prenolepis longicornis (crazy ant).....	Bouquet of flowers.....	Pennsylvania.*
Prenolepis sp. (ant).....	Ananas sativus (pineapple).....	Do.*
Protopulvinaria pyriformis (scale insect).....	Cinnamomum zeylanicum (cinnamon tree).	New York.*
Pseudonidia articulatus (rufous scale).....	"Ackee".....	Do.*
Do.....	Annona muricata (sour sop).....	Do.*
Do.....	Citrus nobilis (tangerine).....	Do.*
Do.....	Citrus sinensis (orange).....	Maryland.*
Do.....	do.....	New York.*
Do.....	Citrus sp.....	District of Columbia.
Do.....	do.....	Pennsylvania.*
Do.....	Coffea robusta.....	District of Columbia.
Do.....	Livistona chinensis (seed) (2).....	Pennsylvania.*
Do.....	Mangifera indica (mango) (4).....	New York.*

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
JAMAICA—continued.		
Insects—Continued.		
<i>Pseudococcus adonidum</i> (long-tailed mealybug)	<i>Dracaena</i> sp. (dracena)	New York.*
Do.	Bouquet of flowers	Do.*
Do.	<i>Mangifera indica</i> (mango)	Pennsylvania.*
<i>Pseudococcus bromeliae</i> (pineapple mealybug)	<i>Ananas sativus</i> (pineapple)	New York.*
Do.	<i>Ananas sativus</i> (pineapple) (7)	Do.*
Do.	<i>Saccharum officinarum</i> (sugar-cane)	Pennsylvania.*
<i>Pseudococcus citri</i> (citrus mealybug)	<i>Annona muricata</i> (sour sop)	New York.*
Do.	<i>Musa</i> sp. (banana)	Pennsylvania.*
<i>Pseudococcus nipae</i> (palm mealybug)	<i>Ananas sativus</i> (pineapple)	Do.*
<i>Pseudococcus</i> sp. (mealybug)	<i>Citrus grandis</i> (grapefruit)	Do.*
Do.	<i>Dioscorea</i> sp. (yam)	New York.*
Do.	<i>Musa</i> sp. (banana)	Pennsylvania.*
Pyralid.	<i>Tamarindus</i> sp. (tamarind)	Do.*
<i>Rhizoglyphus</i> sp. (mite)	Red peppers	New York.*
Do.	<i>Dioscorea</i> sp. (yam)	Pennsylvania.*
<i>Saissetia hemisphaerica</i> (hemispherical scale)	<i>Chrysanthemum</i>	Do.*
Do.	<i>Citrus nobilis</i> (tangerine)	Do.*
Do.	<i>Ployscias guilfoylei</i>	New York.*
Do.	Unknown	Pennsylvania.*
<i>Solenopsis geminata</i> (ant)	<i>Ananas sativus</i> (pineapple)	Do.*
Do.	<i>Coix lachrymi-jobi</i> (seeds)	Do.*
<i>Strategus titanus</i> (Scarabaeidae)	<i>Musa</i> sp. (banana)	Do.*
<i>Subulina octona</i> (Mollusca)	In soil with plants	Maryland.*
<i>Tapinoma melanocephalum</i> (ant)	<i>Musa</i> sp. (banana)	Pennsylvania.*
<i>Targionia sacchari</i> (scale insect)	<i>Saccharum officinarum</i> (sugar-cane)	Maryland.*
<i>Telephanus</i> sp. (Cucujidae)	<i>Musa</i> sp. (banana)	New York.*
<i>Tenebrio obscurus</i> (dark mealy worm)	Unknown	Pennsylvania.*
<i>Tetramorium guineensis</i> (ant)	<i>Ananas sativus</i> (pineapple)	Do.*
Tineid.	<i>Musa</i> sp. (banana)	Do.*
Do.	<i>Musa</i> sp. (banana) (2)	Maryland.*
Tortricid.	<i>Gossypium</i> sp. (cotton seed)	Pennsylvania.*
<i>Toxotrypana curvicauda</i> (papaya fruit fly)	<i>Mangifera indica</i> (mango)	Do.*
<i>Veronicella</i> sp. (Mollusca)	<i>Musa</i> sp. (banana)	New York.*
<i>Vostox brunneipennis</i> (earwig)	do.	Pennsylvania.*
<i>Wasmannia auropunctata</i> (ant)	<i>Ananas sativus</i> (pineapple)	Do.*
Disease:		
<i>Sphaeronema fimbriatum</i>	<i>Ipomoea batatas</i> (sweet potato)	Do.*
JAPAN.		
Insects:		
<i>Adelges</i> sp. (aphid)	Unknown	Pennsylvania.*
<i>Aspidiotus perniciosus</i> (San Jose scale)	<i>Pyrus</i> (pear) (3)	District of Columbia.
<i>Aulacaspis pentagona</i> (West Indian peach scale)	<i>Amygdalus persica</i> (peach)	California.
Do.	<i>Paulownia logs</i>	Hawaii.
Do.	<i>Prunus cerasus</i> (cherry)	California.
Do.	<i>Prunus pimula</i>	Do.
Do.	<i>Pyrus</i> (pear)	District of Columbia.
Do.	Unknown	Washington.*
<i>Aulacaspis rosae</i> (rose scale)	<i>Rubus</i> sp. (raspberry)	California.
<i>Calendra oryzae</i> (rice weevil)	<i>Solanum tuberosum</i> (Irish potato)	Pennsylvania.*
<i>Camponotus</i> sp. (ant)	<i>Paulownia logs</i> (5)	Hawaii.
<i>Carpophilus hemipterus</i> (Nitidulidae)	<i>Solanum tuberosum</i> (Irish potato)	Pennsylvania.*
<i>Carpophilus</i> sp. (Nitidulidae)	do.	Do.*
<i>Carthartus advena</i> (foreign grain beetle)	<i>Solanum tuberosum</i> (Irish potato) (2)	Do.*
<i>Chionaspis euonymi</i> (euonymus scale)	Ornamental plant	Washington.*
<i>Chrysomela exanthematica</i> (Chrysomelidae)	Unknown	District of Columbia.
<i>Chrysomphalus aonidum</i> (Florida red scale)	<i>Citrus sinensis</i> (orange)	California.
<i>Chrysomphalus aurantii</i> (California red scale)	do.	Do.
<i>Chrysomphalus</i> sp. (scale insect)	<i>Buxus</i> sp. (box)	Pennsylvania.*
<i>Coccus hesperidum</i> (soft brown scale)	<i>Jatropha</i> sp. (?)	Washington.*
<i>Crematogaster laboriosa</i> (ant)	<i>Paulownia logs</i> (2)	Hawaii.
<i>Crematogaster</i> sp. (ant)	<i>Paulownia logs</i> (7)	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
JAPAN—continued.		
Insects—Continued.		
Curculionid.....	Elaeagnus multiflora (seed).....	District of Columbia.
Dermestid.....	Paulownia logs.....	Hawaii.
Dolichoderus sp. (Tenebrionidae).....	do.....	Do.
Elaterid (larvæ).....	do.....	Do.
Eucosma sp. (Olethreutidae).....	Pinus densiflora (seed).....	Pennsylvania.*
Do.....	Pinus thunbergii (seed).....	Do.*
Glischrochilus sp. (Nitidulidae).....	Paulownia logs.....	Hawaii.
Hemichionaspis aspidistrae (aspidistra scale).....	Citrus nobilis (tangerine).....	Do.
Do.....	Citrus sinensis (orange) (5).....	California.
Do.....	Citrus sinensis (orange) (2).....	Washington.*
Do.....	Citrus sp.....	Hawaii.
Do.....	do.....	Oregon.*
Iridomyrmex itoi (ant).....	Paulownia logs.....	Hawaii.
Lasius fuliginosus (ant).....	do.....	Do.
Laspeyresia molesta (oriental fruit moth).....	Pyrus (pear).....	California.
Lepidosaphes beckii (purple scale).....	Citrus sinensis (orange).....	Do.
Lepidosaphes conchiformis (scale insect).....	Pyrus (pear).....	District of Columbia.
Lepidosaphes ficus (scale insect).....	Pyrus serotina (sandpear) (2).....	Hawaii.
Lepidosaphes gloverii (Glover's scale).....	Citrus sinensis (orange) (2).....	California.
Do.....	do.....	Washington.*
Do.....	Citrus sp.....	Oregon.*
Lepidosaphes sp. (scale insect).....	Pyrus (pear).....	California.
Monomorium pharaonis (Pharaoh's ant).....	Rubus sp. (raspberry).....	Do.
Monomorium sp. (ant).....	Paulownia logs (2).....	Hawaii.
Monophlebus sp. (scale insect).....	Rubus sp. (raspberry).....	California.
Mylabris pisorum (pea weevil).....	Beans (2).....	Hawaii.
Do.....	Pisum sativum (pea).....	California.
Necrobia rufipes (red-legged ham beetle).....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Oniscid sp. (isopod).....	Paulownia logs.....	Hawaii.
Oryzaephilus surinamensis (saw-toothed grain beetle).....	Solanum tuberosum (Irish potato) (2).....	Pennsylvania.*
Parlatoria pergandii (chaff scale).....	Citrus deliciosa (Mandarin orange).....	Washington.*
Do.....	Citrus nobilis (tangerine).....	Hawaii.
Do.....	Citrus sinensis (orange) (5).....	California.
Do.....	Citrus sinensis (orange).....	Washington.*
Do.....	Citrus sp.....	California.
Do.....	Pyrus serotina (sandpear).....	Hawaii.
Parlatoria pergandii theae (scale insect).....	Pyrus (pear) (4).....	District of Columbia.
Parlatoria theae viridis (scale insect).....	Acer roseum.....	Do.
Do.....	Acer wabihito.....	Do.
Pheidole megacephala (ant).....	Unknown.....	Hawaii.
Philoscia sp. (isopod).....	Paulownia logs.....	Do.
Plodia interpunctella (Indian meal moth).....	Arachis hypogaea (peanut).....	California.
Pseudaonidia duplex (scale insect).....	Citrus sp.....	Do.
Pseudaonidia paeoniae (scale insect).....	Azalea (3).....	District of Columbia.
Do.....	Camellia.....	California.
Do.....	Unknown.....	New York.*
Pseudaonidia trilobitiformis (scale insect).....	Citrus deliciosa (Mandarin orange).....	Washington.*
Do.....	Citrus nobilis (tangerine).....	Hawaii.
Do.....	Citrus sinensis (orange) (3).....	California.
Do.....	Citrus sp.....	Do.
Do.....	do.....	Hawaii.
Pseudaonidia sp. (scale insect).....	Pyrus serotina (sandpear).....	Do.
Pseudococcus comstocki (mealybug).....	Pyrus serotina (sandpear) (2).....	Do.
Pseudococcus sp. (mealybug).....	Citrus sp.....	California.
Do.....	Pyrus serotina (sandpear).....	Hawaii.
Pyralid.....	Pinus sp. (pine).....	Pennsylvania.*
Do.....	Solanum tuberosum (Irish potato).....	Do.*
Reticulitermes speratus (termite).....	Paulownia logs.....	Hawaii.
Rhizoglyphus dominica (lesser grain borer).....	Hordeum vulgare (barley) (seed).....	District of Columbia.
Tenebrioides mauritanica (cadelle).....	Paulownia logs (2).....	Hawaii.
Termite.....	Paulownia logs.....	Do.
Tribolium ferrugineum (rust-red flour beetle).....	do.....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
JAPAN—continued.		
Diseases:		
Bacterium tumefaciens.....	Diospyros.....	California.*
Cladosporium citri.....	Citrus sp.....	Hawaii.
Do.....	Citrus deliciosa (Mandarin orange).....	Washington.
Do.....	Citrus nobilis (tangerine) (2).....	Hawaii.
Do.....	Citrus nobilis (var.).....	Washington.
Colletotrichum omnivorum.....	Aspidistra lurida.....	California.*
Melanconium sacchari.....	Saccharum officinarum (sugar cane).....	Do.*
Penicillium (blue mold).....	Citrus nobilis (var.).....	Washington.
Pseudomonas citri.....	Citrus sinensis (orange).....	Do.
Do.....	Citrus sp.....	California.*
Do.....	do.....	Hawaii.
Do.....	Citrus sinensis (orange).....	California.
Phomopsis citri.....	Citrus nobilis (tangerine).....	Hawaii.
JAVA.		
Insects:		
Aspidiotus sp. (scale insect).....	Belaperona oblongata.....	Hawaii.
Calendra oryzae (rice weevil).....	Castanea sumatra (seed).....	District of Columbia.
Curculionid.....	Sterculia macrophylla.....	Do.
Desmoxyles coniger (myriopod).....	In soil with plants.....	Hawaii.
Gonolabis javana (earwig).....	do.....	Do.
Labia sp. (earwig).....	do.....	Do.
Lampyrid.....	do.....	Do.
Lamytinus coeculus (myriopod).....	do.....	Do.
Odontomaches sp. (Curculionidae).....	In soil.....	Do.
Orthezia sp. (scale insect).....	Belaperona oblongata.....	Do.
Otostigmus sp. (myriopod).....	In soil.....	Do.
Do.....	In soil with plants (2).....	Do.
Oxidus gracilis (myriopod).....	In soil with plants.....	Do.
Pseudococcus sp. (mealybug).....	Belaperona oblongata.....	Do.
Do.....	Mesua ferrea.....	Do.
Pyalid.....	Derris elliptica.....	District of Columbia.
Solenopsis geminata (ant).....	In soil.....	Hawaii.
Tribolium ferrugineum (rust-red flour beetle).....	Castanea sumatra (seed).....	District of Columbia.
Trigoniulus lumbricinus (myriopod).....	In soil with plants.....	Hawaii.
Diseases:		
Diplodia cacaicola.....	Mesua ferrea.....	District of Columbia.
Sphaeropsis mesuae.....	do.....	Do.
LUXEMBOURG.		
Insect:		
Aulacaspis sp. (scale insect).....	Rosa sp. (rose).....	District of Columbia.
MALTA.		
Insect:		
Diaspis echinocacti cacti (scale insect).....	Opuntia fuscusindica.....	District of Columbia.
MARTINIQUE.		
Insects:		
Chrysomphalus acnidum (Florida red scale)...	Citrus sinensis (orange).....	California.
Lepidosaphes beckii (purple scale).....	Citrus grandis (grapefruit).....	Do.
Do.....	Citrus sinensis (orange).....	Do.
Lepidosaphes gloverii (Glover's scale).....	do.....	Do.
Parlatoria pergandii (chaff scale).....	do.....	Do.
Pseudaonidia articulatus (rufous scale).....	do.....	Do.
MEXICO.		
Insects:		
Agromyza sp. (Agromyzidae).....	Peppers.....	California.
Alaus sp. (Elateridae).....	Fragaria sp. (strawberry).....	District of Columbia.
Alphitobius piceus (Tenebrionidae).....	Solanum tuberosum (Irish potato).....	Maryland.*
Anastrepha ludens (Mexican fruit fly).....	Citrus aurantifolia (lime).....	California.
Do.....	Citrus sinensis (orange).....	Do.
Do.....	Mangifera indica (mango).....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
MEXICO—continued.		
Insects—Continued.		
Anthonomus sp. (Curculionidae).....	Psidium guajava (guava).....	California.
Aspidiotus camelliae (scale insect).....	Citrus grandis (grapefruit).....	Florida.
Aspidiotus cydoniae (scale insect).....	Cocos nucifera (coconut).....	California.
Aspidiotus lataniae (scale insect).....	Psidium guajava (guava).....	Texas.*
Balaninus rectus (Curculionidae).....	Quercus sp.....	California.
Calendra linearis (Curculionidae).....	Tamarindus sp. (tamarind).....	New York.*
Calendra oryzae (rice weevil).....	Solanum tuberosum (Irish potato).....	Louisiana.*
Camponotus sp. (ant).....	Musa sp. (banana).....	California.
Carpocarpa saltitans (Tortricidae).....	Sebastiana palmeri (seed).....	Arizona.*
Carpophilus hemipterus (Nitidulidae).....	Tamarindus sp. (tamarind).....	New York.*
Carpophilus sp. (Nitidulidae).....	Ipomoea batatas (sweet potato).....	Florida.
Cathartus advena (foreign grain beetle).....	Amaryllis formosissima.....	District of Columbia.
Cathartus cassiae (Cucujidae).....	Zea mays (corn).....	California.
Cecidomyid.....	Agave funkiana.....	District of Columbia.
Chloridea obsoleta (corn earworm).....	Lycopersicon esculentum (tomato) (20)...	California.
Chrysomphalus aonidum (Florida red scale)...	Citrus aurantifolia (lime) (2).....	Do.
Do.....	Cocos nucifera (coconut).....	Do.
Chrysomphalus aurantii (California red scale)...	Citrus sinensis (orange) (2).....	Do.
Chrysomphalus dictyospermi (scale insect)....	Citrus sinensis (orange).....	Florida.
Cylas formicarius (sweet-potato weevil).....	Ipomoea batatas (sweet potato).....	Texas.*
Do.....	do.....	Florida.
Dermestes sp. (Dermestidae).....	Solanum tuberosum (Irish potato).....	Maryland.*
Diaspis boisduvalii (Boisduval's scale).....	Palm (seed).....	Florida.
Diaspis echinocacti opuntiae (scale insect)....	Cactus.....	District of Columbia.
Diaspis sp. (scale insect).....	Hylocereus sp.....	Do.
Diatraea sp. (Pyralidae).....	Saccharum officinarum (sugar-cane).....	Texas.*
Euxesta sororcula (Ortaliidae).....	Wrappers of green corn.....	Do.*
Gymnococcus agavium (scale insect).....	Agave funkiana.....	District of Columbia.
Helipus lauri (avocado weevil).....	Persea gratissima (avocado) (2).....	Texas.*
Lasioderma sericorne (cigarette beetle).....	Nicotiana tabacum (tobacco).....	District of Columbia.
Lepidosaphes beekii (purple scale).....	Citrus aurantifolia (lime).....	California.
Do.....	Citrus sinensis (orange) (8).....	Do.
Do.....	Citrus sinensis (orange) (3).....	Florida.
Do.....	Citrus sinensis (orange).....	New York.*
Lepidosaphes gloverii (Glover's scale).....	Citrus aurantifolia (lime) (2).....	California.
Do.....	Citrus sinensis (orange).....	Do.
Monomorium pharaonis (Pharaoh's ant).....	Zea mays (corn).....	Do.
Mylabris quadrimaculatus (four-spotted bean weevil).....	Garbanzos.....	Do.
Do.....	do.....	Arizona.*
Opogona sp. (Tineidae).....	Fragaria sp. (strawberry).....	District of Columbia.
Oryzaephilus surinamensis (saw-toothed grain beetle).....	Tamarindus sp. (tamarind).....	New York.*
Parlatoria pergandii (chaff scale).....	Citrus sinensis (orange).....	California.
Plodia interpunctella (Indian meal moth).....	Gossypium sp. (cotton seed).....	Texas.*
Pseudonidia articulatus (rufous scale).....	Citrus grandis (grapefruit).....	Florida.
Do.....	Citrus sinensis (orange).....	New York.*
Pseudococcus spp. (mealybug).....	Peppers.....	California.
Rhizoglyphus hyacinthi (bulb mite).....	Solanum tuberosum (Irish potato).....	Maryland.*
Sciara sp. (Mycetophilidae).....	Ferocactus sp.....	District of Columbia.
Tineid.....	Fragaria sp. (strawberry).....	Do.
Tribolium ferrugineum (rust-red flour beetle)...	Garbanzos.....	California.
Trypetid (larva).....	Achras sapota (sapodilla).....	New York.*
Tryporemon sp. (Curculionidae).....	Solanum tuberosum (Irish potato).....	Maryland.*
Do.....	do.....	Louisiana.*
Diseases:		
Cladosporium citri.....	Citrus limonia (lemon).....	Do.*
Colletotrichum agave.....	Agave funkiana.....	District of Columbia.
Diplodia tubericola.....	Ipomoea batatas (sweet potato).....	Florida.
(Gray mold).....	Dahlia.....	Do.
Phomopsis citri.....	Citrus sinensis (orange).....	California.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
MOROCCO.		
Insects:		
Mylabris chinensis (Mylabridae).....	Lentille de Maurice.....	District of Columbia.
Mylabris lentils (Mylabridae).....	Lentille indigenes.....	Do.
Mylabris sp. (Mylabridae).....	do.....	Do.
NEW ZEALAND.		
Insects:		
Laspeyresia pomonella (codling moth).....	Malus sylvestris (apple).....	California.
Pseudococcus maritimus (mealybug).....	Pyrus (pear).....	Hawaii.
Pseudococcus sp. (mealybug).....	Grass roots.....	Do.
Thrips.....	do.....	Do.
Trionymus phormii (scale insect).....	Phormium tenax (New Zealand flax).....	Do.
NICARAGUA.		
Insects:		
Anastrepha ludens (Mexican fruit fly).....	Achras sapota (sapodilla).....	California.
Bothrioderes setiger (Colydiidae).....	Lignum-vitæ logs.....	Do.
Calendra oryzae (rice weevil).....	Holcus sorghum.....	Maryland.*
Diaspis bromeliae (scale insect).....	Chayota edulis (Chayote).....	California.
Lasioderma serricorne (cigarette beetle).....	Persea gratissima (avocado).....	Florida.
Monomorium minutum var. carborarium (ant).....	Orchid.....	Louisiana.*
NORWAY.		
Insects:		
Corymbites aneneus (Elateridae).....	In soil.....	Pennsylvania.*
Hyponomentid.....	Phlox.....	New York.*
Nalthisus sp. (Telephoridae).....	In soil.....	Pennsylvania.*
Scutigerella immaculata (lima bean Symphylid).....	In soil with plant.....	Do.*
NOVA SCOTIA.		
Insects:		
Bucculatrix pomifoliella (Lyonetiidae).....	Malus (apple) (scions).....	Massachusetts.*
Escaryus urbicus (myriopod).....	In soil with plants.....	Pennsylvania.*
Hepialus sp. (Hepialidae).....	Tsuga sp. (hemlock).....	Do.*
Lasius umbratus subsp. subumbratus (ant).....	In soil with plants.....	Do.*
Lepidosaphes ulmi (oyster-shell scale).....	Malus (apple) (scions).....	Massachusetts.*
Leptothorax acervorum subsp. canadensis (ant).....	In soil.....	Pennsylvania.*
Ludius sp. (Elateridae).....	do.....	Do.*
ORIENT.		
Insect:		
Plodia interpunctella (Indian meal moth).....	Hempseed.....	California.
PALESTINE.		
Insects:		
Aspidiotus hederæ (ivy scale).....	Citrus sp. (cedrats).....	California.
Aspidiotus sp. (scale insect).....	Carob budwood.....	District of Columbia.
Chrysomphalus sp. (scale insect).....	Citrus sp. (cedrats).....	California.
Lepidosaphes ulmi (oyster-shell scale).....	Habati-carob cutting.....	District of Columbia.
Do.....	Sandalawi-carob cuttings.....	Do.
Do.....	Thehawi-carob cuttings.....	Do.
Lepidosaphes sp. (scale insect).....	Carob budwood.....	Do.
Mylabris lentis (Mylabridae).....	Lentils (2).....	Do.
Mylabris sp. (Mylabridae).....	Lentils.....	Do.
Do.....	Wild vetch.....	Do.
Do.....	Vicia sativa seed.....	Do.
Parlatoria sp. (scale insect).....	Citrus sp. (cedrats).....	California.
PANAMA.		
Insects:		
Cerataphis lataniae (palm aphid).....	Palm.....	New York.*
Chrysomphalus dictyospermi (scale insect).....	Cinnamon leaves.....	Florida.
Chrysomphalus sp. (scale insect).....	Citrus sinensis (orange).....	Do.
Diaspis sp. (scale insect).....	Acanthocereus.....	District of Columbia.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
PANAMA—continued.		
Insects—Continued.		
Lepidosaphes beckii (purple scale).....	Citrus sinensis (orange).....	California.
Do.....	do.....	Florida.
Lepidosaphes lasianthi (scale insect).....	Croton sp.....	New York.*
Parlatoria crotonis (scale insect).....	do.....	Do.*
Pseudaonidia articulatus (rufous scale).....	Citrus sinensis (orange).....	Florida.
Do.....	Coffea sp. (coffee) leaves.....	Do.
Diseases:		
Coremium borzianum.....	Tagua nuts.....	New York.*
Phomopsis citri.....	Citrus sinensis (orange) (2).....	California.*
PERU.		
Insects:		
Diaspis echinocacti cacti (scale insect).....	Cactus.....	District of Columbia.
Phthorimaea operculella (potato tuber moth).....	Solanum tuberosum (Irish potato).....	California.
Pseudococcus sp. (mealybug).....	Lobivia.....	District of Columbia.
Tortricid.....	Geranium.....	New York.*
Trypopermnon sp. (Curculionidae).....	Solanum tuberosum (Irish potato).....	Do.*
PHILIPPINE ISLANDS.		
Insects:		
Anthrribid.....	Coix sp. (Job's tears).....	District of Columbia.
Aspidiotus lataniae (scale insect).....	Citrus budwood.....	Do.
Chrysomphalus rossi (scale insect).....	Orchids.....	California.
Calendra oryzae (rice weevil).....	Rice seed (2).....	District of Columbia.
Do.....	Zea mays (corn).....	Hawaii.
Cerithium (Mollusca).....	In soil about Canna plant.....	Pennsylvania.*
Coccotrypes sp. (Scolytidae).....	Tree seeds.....	Hawaii.
Diacamma sp. (ant).....	In case with citrus plants.....	District of Columbia.
Diaphana sp. (Pyralidae).....	Cocos nucifera (coconut).....	Hawaii.
Geotomus pygmaeus (Cydnidae).....	In soil about Manila grass.....	Pennsylvania.*
Holoparamesus sp. (Lathridiidae).....	In soil about canna plant.....	Do.*
Laemophloeus pusillus (Cucujidae).....	Mangifera indica (mango) seed.....	California.
Lamyctinus coeculus (myriopod).....	In soil about canna plant.....	Pennsylvania.*
Lasioderma serricorne (cigarette beetle).....	Zea mays (corn).....	Hawaii.
Lepidosaphes beckii (purple scale).....	Citrus sp.....	District of Columbia.
Lepidosaphes gloverii (Glover's scale).....	do.....	Do.
Lepidosaphes sp. (scale insect).....	Gumamelo cuttings.....	Do.
Monomorium pharaonis (Pharaoh's ant).....	Unknown.....	Hawaii.
Mylabris chinensis (Mylabridae).....	Beans (3).....	Do.
Do.....	Seed.....	Do.
Necrobia rufipes (red-legged ham beetle).....	Solanum tuberosum (Irish potato).....	Louisiana.*
Oniscus sp. (isopod).....	In soil about Manila grass.....	Pennsylvania.*
Oryzaephilus surinamensis (saw-toothed grain beetle).....	Mangifera indica (mango) seed.....	California.
Parlatoria pergandii (chaff scale).....	Citrus sinensis (orange).....	Hawaii.
Pheidole sp. (ant).....	Tree seeds.....	Do.
Porcellio sp. (isopod).....	In soil about canna plant.....	Pennsylvania.*
Prenolepis sp. (ant).....	Unknown.....	Hawaii.
Pseudaonidia duplex (scale insect).....	Gumamela, purple.....	District of Columbia.
Rhizopertha dominica (lesser grain borer).....	Rice (4).....	Do.
Saissetia hemisphaerica (hemispherical scale).....	Eranthemum purpureum cuttings.....	Do.
Scarabaeid.....	In soil about Manila grass.....	Pennsylvania.*
Scolytid.....	Tree seed.....	Hawaii.
Solenopsis geninata (ant).....	Zea mays (corn).....	Do.
Sublina sp. (Mollusca).....	In soil about canna plant.....	Pennsylvania.*
Tetramorium caespitum (ant).....	do.....	Do.*
Do.....	In soil about Manila grass.....	Do.*
Tribolium sp. (Tenebrionidae).....	Mangifera indica (mango) seed.....	California.
Diseases:		
Cladosporium citri.....	Citrus sinensis (orange).....	Hawaii.
Melanconium sacchari.....	Saccharum sp.....	California.
Pseudomonas citri.....	Citrus sinensis (orange).....	Hawaii.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
POLAND.		
Insect:		
<i>Pyralis farinalis</i> (Pyralidae).....	Broom corn.....	New York.*
PORTO RICO.		
Insects:		
<i>Aleurothrixus floccosa</i> (whitefly).....	Citrus sp.....	New York.*
<i>Aleurothrixus howardi</i> (woolly whitefly).....	Musa sp. (banana) leaf.....	Do.*
<i>Aleurothrixus</i> sp. (whitefly).....	<i>Citrus grandis</i> (grapefruit) leaves.....	Do.*
<i>Aspidiotus cocotiphagus</i> (scale insect).....	<i>Cocos nucifera</i> (coconut) stem.....	Do.*
Do.....	Musa sp. (banana) leaves.....	Do.*
<i>Aspidiotus destructor</i> (scale insect).....	Musa sp. (banana) leaves (2).....	Do.*
Do.....	<i>Pandanus</i> sp. (2).....	Do.*
<i>Aspidiotus palmarum</i> (scale insect).....	Musa sp. (banana) leaves.....	Do.*
<i>Aspidiotus</i> sp. (scale insect).....	Mangosteen.....	Do.*
<i>Aulacaspis pentagona</i> (West Indian peach scale).....	<i>Carica papaya</i> (papaya).....	Do.*
Do.....	Tubers of white Guinea yam.....	District of Columbia.
<i>Chrysomphalus dictyospermi</i> (scale insect).....	Musa sp. (banana) leaves.....	New York.*
Do.....	Ornamental palm.....	Porto Rico.
<i>Diaspis boisduvalii</i> (Boisduval's scale).....	<i>Cocos nucifera</i> (coconut palm).....	New York.*
Do.....	Palms.....	Do.*
<i>Eucalymnatus tessellatus</i> (tessellated scale).....	do.....	Do.*
<i>Eusepea batatae</i> (West Indian sweet-potato weevil).....	<i>Ipomoea batatas</i> (sweet potato).....	Do.*
<i>Genopascia protomis</i> (Pyralidae).....	<i>Ananas sativus</i> (pineapple).....	Do.*
<i>Hemichionaspis minor</i> (scale insect).....	<i>Cocos nucifera</i> (coconut) stem.....	Do.*
<i>Ichnaspis longirostris</i> (thread scale).....	Ornamental palm.....	Porto Rico.
<i>Lepidosaphes beckii</i> (purple scale).....	<i>Citrus grandis</i> (grapefruit).....	California.
Do.....	do.....	New York.*
Do.....	<i>Citrus sinensis</i> (orange).....	California.
Do.....	<i>Citrus sinensis</i> (orange) (2).....	New York.*
Do.....	do.....	Pennsylvania.*
<i>Pectinophora gossypiella</i> (pink bollworm).....	<i>Gossypium</i> sp. (cotton seed).....	New York.*
<i>Pinnaspis buxi</i> (scale insect).....	Ornamental palm.....	Porto Rico.
<i>Prenolepis longicornis</i> (crazy ant).....	Musa sp. (banana) leaves.....	New York.*
<i>Pseudonidia articulatus</i> (rufous scale).....	<i>Citrus grandis</i> (grapefruit).....	Do.*
Do.....	<i>Citrus sinensis</i> (orange).....	Do.*
<i>Pseudococcus bromeliae</i> (pineapple mealybug).....	<i>Ananas sativus</i> (pineapple).....	Do.*
Do.....	<i>Colocasia esculentum</i>	District of Columbia.
<i>Pseudococcus nipae</i> (palm mealybug).....	<i>Cocos nucifera</i> (coconut palm).....	New York.*
<i>Saissetia hemisphaerica</i> (hemispherical scale).....	<i>Annona muricata</i> (sour sop).....	Do.*
<i>Stenomid</i>	<i>Ananas sativus</i> (pineapple).....	Do.*
<i>Vinsonia stellifera</i> (star scale).....	<i>Citrus grandis</i> (grapefruit).....	Do.*
Do.....	<i>Cocos nucifera</i> (coconut palm).....	Do.*
Do.....	Musa sp. (banana) leaves.....	Do.*
Do.....	Palms.....	Do.*
Disease:		
<i>Phomopsis citri</i>	<i>Citrus grandis</i> (grapefruit).....	California.*
PORTUGAL.		
Insects:		
<i>Aspidiotus hederae</i> (ivy scale).....	Carob budwood.....	District of Columbia.
<i>Tenebrio obscurus</i> (dark mealworm).....	do.....	Do.
RUSSIA.		
Disease:		
<i>Spongospora subterranea</i>	<i>Solanum tuberosum</i> (Irish potato).....	New York.*
SAMOA.		
Insects:		
<i>Chrysomphalus rossi</i> (scale insect).....	Orchids.....	California.
<i>Pseudococcus nipae</i> (palm mealybug).....	Palms.....	Do.

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
SIAM.		
Insects:		
Chrysomphalus aurantii (California red scale).....	Citrus grandis (pomelo).....	California.
Hemichionaspis aspidistrae (aspidistra scale).....	do.....	Do.
Rhizoglyphus sp. (mite).....	Mangifera oppositifolia (dead seed).....	District of Columbia.
Do.....	Palm seeds.....	New York.*
Disease:		
Pseudomonas citri.....	Citrus grandis (grapefruit).....	California.
SICILY.		
Insect:		
Mylabris rufimanus (Mylabridae).....	English broad beans.....	New York.*
SOUTH AFRICA.		
Insects:		
Carpophilus sp. (Nitidulidae).....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Lepidosaphes beckii (purple scale).....	Citrus sinensis (orange).....	Do.*
Phthorimaea operculella (potato tuber moth).....	Solanum tuberosum (Irish potato).....	Do.*
Pyrilid.....	Phoenix reclinata.....	District of Columbia.
Sitodrepa panicea (drug-store beetle).....	Acanthosicyos horrida seed.....	Do.
SOUTH AMERICA.		
Insects:		
Lepidosaphes beckii (purple scale).....	Citrus.....	District of Columbia.
Parlatoria sp. (scale insect).....	do.....	Do.
Disease:		
Botrytis.....	Solanum tuberosum (Irish potato).....	Florida.
SPAIN.		
Insects:		
Aonidia lauri (scale insect).....	Laurus nobilis (bay leaves).....	New York.*
Aspidiotus camelliae (scale insect).....	Pyrus communis (pear).....	Florida.
Aspidiotus hederae (ivy scale).....	Algaroba.....	District of Columbia.
Do.....	Ceratonia siliqua (carob tree).....	Do.
Do.....	Unknown plant.....	Pennsylvania.*
Aspidiotus lataniae (scale insect).....	Palm.....	New York.*
Cathartus advena (foreign grain beetle).....	Almonds.....	California.
Lepidosaphes gloverii (Glover's scale).....	Citrus limonia (lemon).....	Pennsylvania.*
Mylabris rufimanus (Mylabridae).....	Habas granadina seed.....	District of Columbia.
Mylabris signaticomis (Mylabridae).....	Ervum lens seed (2).....	Do.
Mylabris sp. (Mylabridae).....	Ervum moranthos seed.....	Do.
Parlatoria calianthina (scale insect).....	Olive.....	Do.
Parlatoria oleae (scale insect).....	do.....	Do.
Parlatoria pergandii (chaff scale).....	Citrus limonia (lemon).....	Pennsylvania.*
Pyrilid.....	Carob pods.....	District of Columbia.
Sitodrepa panicea (drug-store beetle).....	Cardoon seed.....	Do.
Diseases:		
Actinomyces scabies.....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Colletotrichum gloeosporioides.....	Citrus sinensis (orange).....	Florida.
Fusarium.....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Penicillium (blue mold).....	Citrus sinensis (orange).....	Florida.
Stysanus stemonites.....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
SPANISH HONDURAS.		
Insects:		
Camponotus sp. (ant).....	Musa sp. (banana) rubbish.....	Pennsylvania.*
Diaspis cattleyae (scale insect).....	Orchid.....	New York.*
Ligyris ebenus (Scarabaeidae).....	Musa sp. (banana) leaf rubbish.....	Pennsylvania.*
Pheidole sp. (ant).....	do.....	Do.*
ST. KITTS.		
Insects:		
Chrysomphalus personatus (masked scale).....	Undetermined cuttings.....	New York.*
Pectinophora gossypiella (pink bollworm).....	Gossypium sp. (cotton).....	Do.*
Vinsonia stellifera (star scale).....	Undetermined cuttings.....	Do.*

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
STRAITS SETTLEMENTS.		
Insects:		
Anisolabis sp. (earwig).....	Solanum tuberosum (Irish potato).....	Pennsylvania.*
Calendra granaria (granary weevil).....	Cocos nucifera (coconut).....	Hawaii.
SUDAN.		
Insects:		
Calendra oryzae (rice weevil).....	Sorghum seed.....	District of Columbia.
Lyctid.....	Acacia senegal, "Hashab".....	Do.
Mylabris sp. (Mylabridae).....	do.....	Do.
Tribolium ferrugineum (rust-red flour beetle).....	Holcus sorghum.....	Do.
SWEDEN.		
Insects:		
Agriotes lineatus (Elateridae).....	In soil about roots of spruce trees.....	New York.*
Chionaspis salicis (scale insect).....	Salix sp. (willow).....	Do.*
Ephestia kuehniella (Mediterranean flour moth).....	Compound flour.....	Pennsylvania.*
Myrmica levinodis (ant).....	In soil around myrtle and geranium plants.....	New York.*
Oryzaephilus surinamensis (saw-toothed grain beetle).....	Compound flour.....	Pennsylvania.*
Tenebioides mauritanicus (cadelle).....	do.....	Do.*
SWITZERLAND.		
Insects:		
Agriotes lineatus (Elateridae).....	In soil around dahlia roots.....	New York.*
Oecophorid.....	In box of plants, dirt on roots.....	District of Columbia.
TAHITI.		
Insects:		
Chrysomphalus aurantii (California red scale).....	Citrus sinensis (orange).....	California.
Hemichionaspis minor (scale insect).....	Cocos nucifera (coconut).....	Do.
Lepidosaphes beckii (purple scale).....	Citrus aurantifolia (lime).....	Do.
Do.....	Citrus limonia (lemon).....	Do.
Do.....	Citrus sinensis (orange) (2).....	Do.
TONGATABU ISLAND.		
Insects:		
Anisolabis annulipes (earwig).....	Yams.....	California.
Cathartus advena (foreign grain beetle).....	do.....	Do.
Euxestus parkii (Triplacidae).....	do.....	Do.
Hemichionaspis sp. (scale insect).....	do.....	Do.
Pseudococcus citri (citrus mealybug).....	do.....	Do.
Tylococcus sp. (scale insect).....	do.....	Do.
TRINIDAD.		
Insects:		
Aleurodicus cocois (whitefly).....	Cocos nucifera (coconut palm).....	Florida.
Aspidiotus destructor (scale insect).....	do.....	Do.
Bephrata sp. (seed chalcid).....	Annona muricata (sour sop) seeds.....	New York.*
Chrysomphalus dictyospermi (scale insect).....	Cocos nucifera (coconut palm).....	Florida.
Eusepes batatae (West Indian sweet potato weevil).....	Ipomoea batatas (sweet potato).....	Do.
Hemichionaspis minor (scale insect).....	Cocos nucifera (coconut palm).....	Do.
Do.....	Hibiscus sp.....	New York.*
Ischnaspis longirostris (thread scale).....	Orchid leaf.....	Do.*
Lepidosaphes beckii (purple scale).....	Citrus sp. (leaves and stems).....	Do.*
Pheidole megacephala (ant).....	Orchids.....	Do.*
Pseudaonidia articulatus (rufous scale).....	Palm.....	Florida.
Pyralid.....	Ipomoea batatas (sweet potato).....	New York.*
TURKS ISLAND.		
Insects:		
Ditoma sp. (Colydiidae).....	Ipomoea batatas (sweet potato).....	Pennsylvania.*
Epuraea sp. (Nitidulidae).....	do.....	Do.*

List, by countries, of pests collected and reported from January 1, 1922, to December 31, 1922, inclusive—Continued.

Country of origin and name of pest.	Host.	Collected in—
VENEZUELA.		
Insect: Aspidiotus lataniae (scale insect).....	Rosa sp. (rose).....	New York.*
VIRGIN ISLANDS.		
Insects: Alphitobius piceus (Tenebrionidae).....	In soil around cactus.....	Pennsylvania.*
Diatraea saccharalis (sugar-cane borer).....	Saccharum officinarum (sugar-cane).....	New York.*
Metoponorthus pruinosis (isopod).....	In soil around cactus.....	Pennsylvania.*
Sicinus guatemalensis (Tenebrionidae).....	do.....	Do.*
Disease: Diplodia opuntiae.....	Opuntia sp. (Indian fig).....	Do.*
WALES.		
Insect: Aspidiotus hederae (ivy scale).....	Palm leaf.....	Pennsylvania.*
Disease: Actinomyces scabies.....	Solanum tuberosum (Irish potato).....	Florida.
WEST INDIES.		
Insects: Lepidosaphes beckii (purple scale).....	Citrus sinensis (orange).....	California.
Pseudaonidia articulatus (rufous scale).....	do.....	Do.
Disease: Heterodera radicola.....	Ipomoea batatas (sweet potato).....	Florida.

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